

Knitted Outerwear Times

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LIB

TECHNICAL

sweaters • swim suits • infantswear • knit fabrics • polo shirts • gloves • headwear

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No. 16

Many New Fibers Will Be Available In Next Decade, Du Pont Man Says

BAL HARBOUR, Fla.—The next decade in the synthetic fiber industry will be characterized by "unprecedented proliferation of fiber types, each designed to bring something new to some area of the textile industry," Andrew E. Buchanan, Jr., general manager of Du Pont's Textile Fibers Department, told members of the American Cotton Manufacturers Institute at their annual meeting, here.

Mr. Buchanan said Du Pont alone anticipates that as much as two-thirds of the fiber products it will be selling in the next five or six years "will be new improvements on or additions to the products" the company is offering today.

"As of this moment," he said, "our marketing people have almost 50 of these items in various stages of evaluation or commercialization."

In predicting the future course of man-made fibers, Mr. Buchanan underscored two factors which are contributing to this direction:

- Fiber producers, he said, "have become more and more involved in the programs of the textile manufacturing and distribution chain" and "have recognized areas of opportunity for the application of new and different types of fibers."

- The fiber producers "have been continuing their search for new and better fibers and this work has been fruitful."

He added that he did not expect the creativity of the researchers to result in many completely new or general purpose fibers.

"More probably," Mr. Buchanan declared, "it will take the

form of specialized new fibers for particular uses, plus a long sequence of improvements in existing raw materials for the textile industry."

Mr. Buchanan pointed out that the future of the textile industry as a whole does not hinge solely on improvements in products, nor in the way they are merchandised, nor in who performs the processes. He warned that the growing threat of imports plus the "occupational hazard of excess capacity" would bear heavily on the future of the industry.

"Fiber producers operated at only 72 percent capacity in 1958 and 83 percent in 1959, which was a good year for us," Mr. Buchanan said.

He implied that these threats seem not to shake the faith that fiber producers have in the future.

"A measure of our faith in the textile industry lies in the investment we fiber producers have made in fiber producing facilities, including integrated chemical raw materials," Mr. Buchanan said. "At the end of last year, the figure for all of us totaled about \$2.6 billion. This sum represents 50 years of persistent growth since rayon first appeared as artificial silk. It approaches 25 percent of the assets of all corporations reporting for tax purposes in the textile mill products group in the fiscal year 1957-1958, the latest available information. What's more, this figure will increase by approximately eight percent to about \$2.8 billion by the end of the year."

Mr. Buchanan said that most of the growth in the past 20



Competing against other New York co-eds in the sixth annual National College Queen Contest is Barbara Mary Burchell, 18, a St. Johns University freshman. Finals will be held in New York City in September. The contest is sponsored by the Knitted Outerwear Foundation, promotional affiliate of the National Knitted Outerwear Association.

years and all of the expected increase for the next year will occur in the newer synthetic fibers where pounds of capacity will increase about 25 percent in 1960 and 1961.

February Shipments Of Men's Sweaters Ahead

WASHINGTON, D. C. — Weekly shipments of men's sweaters during the four week period ending February 27 averaged 31,000 dozens, according to Commerce Department reports.

The February figure reflects a three per cent increase over January.

Banquet Ticket Sales Restricted; See Early Closing

All unsold tickets to the annual banquet sponsored by the National Knitted Outerwear Association have been recalled from committeemen.

According to Edward A. Brandwein, NKOA administrative secretary and secretary of the banquet committee, sales are now being conducted directly through the Association's national headquarters at 386 Park Avenue South, New York City.

At Waldorf-Astoria

The banquet is scheduled for the evening of May 5 in the Grand Ballroom of the Waldorf Astoria in New York. It is the 42nd such event sponsored by NKOA.

In addressing a meeting of the banquet arrangements committee on April 14 at the Hotel Vanderbilt, Mr. Brandwein pointed out that this is the only event of the year at which industry members from all parts of the country can meet socially and, if they so choose, transact a bit of business as well.

Urges Reservations

Mr. Brandwein urged that those who have not as yet made their reservations for the annual affair do so at once in order to receive adequate seating attention.

Guest speaker at the banquet will be the Hon. William Proxmire, the first Democrat to be elected to the Senate from Wisconsin in a quarter of a century. The banquet entertainment committee is currently arranging a show for the evening. Banquet tickets are \$16 per person.

42nd Annual NKOA Banquet, May 5, Waldorf Astoria

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Knitted Outerwear Times

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Yarn Developments

Milliken Evaluating Vinal Blend Yarns

By CHARLES REICHMAN, Editor

A FULL-SCALE evaluation of the potentialities of Vinal, the polyvinyl alcohol fiber, for sweaters, fine gauge jersey yardgoods and knitted high-pile fabrics is presently underway at Milliken Woolens, Inc. The fiber, which is undergoing market analysis by Air Reduction Chemical Company, is basically a development of the Japanese chemical industry. None of the fiber is being turned out as yet in this country. Airco, however, has completed plans for the erection of a fiber-producing facility in this country. Meanwhile, assessment of Vinal is being carried out with evaluation-size lots of the fiber imported from Japan.

In appraising Vinal's qualifications as a knitwear fiber, Milliken is checking it out on the two basic systems for producing worsted-spun synthetic fiber machine knitting yarns:

- The Turbo Stapler tow-to-tow method.
- The staple route using cotton yarn processing equipment.

Although some work has been done in the development of yarns of 100 percent Vinal, most of the Milliken trials are being conducted with blends of the polyvinyl alcohol fiber and other synthetic and natural fibers. Notable among the man-made fibers with which Vinal is being blended is Orlon, DuPont's acrylic fiber.

Blend Percentages

Blends ranging from equal proportions of both synthetics with mixtures of 70 percent Orlon and 30 percent Vinal have been spun. Definite conclusions have not yet been drawn as to the best blend proportions. However, it was indicated that the thinking of both Milliken's yarn technologists and Airco's researchers is that the most favorable results, at least, in terms of performance, may be in the direction of fifty/fifty blends of the two textile fibers.

In addition to Orlon, other synthetic fibers are also seen as potentially good blend candidates with Vinal. Fibers in this category which Milliken has been working with are Corval, Courtauld's cross-linked rayon fiber, and Arnel, Celanese's triacetate fiber.

Vinal adds to blends with Corval, Arnel, Orlon and other acrylic fibers, properties which these fibers either do not possess or qualities which these fibers may have only to a limited degree. Among the outstanding properties of Vinal are a unique softness, an exceptional strength manifested especially in a high degree of resistance to abrasion, and a moisture regain generally in excess of most man-made fibers.

Mohair-Type Yarn

Airco's polyvinyl fiber also adds to the aesthetics of yarns in which it is a component with another synthetic fiber. This is especially apparent in 60/40 and 50/50 blends of Vinal with Orlon acrylic fiber to produce a simulated mohair yarn. In a combination of this sort the unusual whiteness of the Vinal fiber is taken advantage of to create the mohair-type frosting.

A number of experimental sweaters of Milliken's Vinal-content yarns have been knitted and are currently being wear tested. These garments are for the most part bulky rib knits produced on four-cut Universal V-bed latch needle machines of several ends of 2/20s w. c. yarn. The sweaters have been dyed in the piece as well as produced from skein-dyed yarns. Sweaters made of the latter thus far possess greater bulk than those which have been garment or strip-dyed. Strip and piece dyeing is done conventionally in overhead paddle machines, while skein dyeing is performed on hanging-type hank dyeing machinery.

Vinal has an affinity for direct, developed, naphthol, vat and pre-metallized dyes. In cross dyeing, any of these dyestuffs may be used for the Vinal, with the Orlon colored with dispersed or cationic dyes, depending upon the shade required. In the case of other fibers like Corval, the first group of dyestuffs

has an affinity for this cellulosic textile material as well as for the Vinal. Union and cross-dyeings of Vinal with Arnel are accomplished in a two-bath operation employing dyestuffs having an affinity for each fiber.

Jersey Yardgoods

Milliken's evaluation of Vinal for fine gauge jersey yardgoods has centered largely on two blends—the polyvinyl fiber with wool and with Corval. Solid color fabrics achieved by union dyeing of the tubular cloth have been knitted on 18-cut Supreme plain jersey machines of 1/26s w. c. yarn. The fabrics are deemed especially suitable for manufacture into knit shirts, T-blouses and knit dresses.

Work with the Vinal in the high-pile fabric area has been largely on the sliver knitting principle. In those fabrics two approaches have been tried:

- The Vinyl is used exclusively as the face fiber and Dynel, Carbide's modacrylic fiber, as the backing yarn.
- Equal percentages of Vinal and Dynel sliver in the face and Dynel backing yarn.

Glenoit Mills reportedly has produced 100 percent Vinal high-pile fabrics while Princeton Knitting Mills has the second type of knit high-pile material.

Basic building block of Vinal is vinyl acetate which is manufactured from such common raw materials as coal and limestone. The fiber has a peanut shaped cross-section. It is one of the lightest of the synthetic fibers having a specific gravity of 1.26 to 1.30. The fiber's melting temperature is in the range of 420° F. to 450° F. Its moisture regain is about five percent, which jumps to 10 percent under high humid conditions.

Air Reduction Chemical Company's commercial fiber program is based on two Vinal types—Vinal 5F and Vinal FO. The latter is a filament product, the former a staple and tow. The staple is produced in 1.4, 2.0, 3.0, 6.0, 10.0 and 15 denier; two is available only in 1.0 denier. Staple lengths range from 1¼ inches to four inches, although cut lengths to any specification can be turned out.

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Knitting Machinery Developments

Specifications Of Alemania Model F8 V-Bed Flat Unit

THE automatic flat knitting machine, Model F8 of the Alemania Maschinenfabrik, Creussen, West Germany, possesses a number of unusual and interesting technical features. The machine is a standard single system automatic flat unit permitting the variety of patterns obtainable with high and low butt needles. It is the first designed by the company with card control.

The machine is simply laid out. The robust construction of the frame is necessary to allow the machine to operate at a speed of 20 rpm over a width of 63 inches, or at 17 rpm over a width of 70 inches, and still run smoothly and with little noise.

A bar which extends over the whole width of the needlebed is used like a twist handle for the engagement and disengagement of the machine. This is very convenient for the knitter because he no longer needs to move to a specific place, usually on the right hand side of the machine, when he wishes to engage or disengage the machine. If required, the carriage can be moved needle by needle in slow motion, by only partially twisting the control bar.

Power Facilities

A one-half horsepower AC motor operates the machine. The power transmission of the motor to the gear box of the machine is effected via an infinitely variable V-belt drive so that the speed of the carriage on machines with a width of 63 inches can be varied between 10 and 20 rpm. The knitter is able to adapt the speed of the machine to the manufacturing requirements without having to move the V-belt to another pulley. The housing for the drive on the right hand side of the frame is filled with oil, which should be renewed after approximately 5,000 working hours, i.e. normally after 1½ to two years. Smooth and silent running of the gears is achieved by running in an oil bath and by the combination of metal and plastic gear wheels.

Large chain wheels which are used for the smooth reversing of the carriage allow high operating speed. Four short yarn guides, which can be controlled in rows, permit high knitting speeds. Yarn guide boxes are made of nylon plastic and reduce the danger of slewing to

practically nothing because of the small mass. This leads to a considerable reduction of noise. Furthermore, the yarn guide rails need very little lubrication.

High-Bow Carriage

The one-sided high bow carriage of the Model F8 is comparatively small and low because of the low-lying yarn guide rails.

The cam plate is clearly arranged. The carriage guide rail consists of a wide U-shaped rail. Three ball bearings run in this rail on each of the four corners of the carriage, making 16 ball bearings in all.

In addition to the 16 ball bearings running in the carriage guide rails, there are two counter ball bearings below the carriage guide rails. This arrangement ensures that the carriage is guided entirely free from play and virtually has unlimited life, so that there is no wear on the slots or the flanks of the carriage.

Tension Adjustment

The machine is provided with a five stage automatic tension regulator. The use of counter slide bars makes it possible to control all five tension stages in

rows from both sides of the machine. The adjustment is effected by micrometer screws. The stops of the cams are made of hard-wearing plastic which also lessens the noise.

All the operations of the automatic machine F8 are controlled by a card mechanism as follows:

1. Control by rows or rounds of the yarn guides.
2. Control by rows or rounds of the racking.
3. Control by rows or rounds of all cam operations.
4. Control by rows or rounds of tension through five stages.
5. Control of forward and backward travel of the cards.
6. Control of economizing device.
7. Stopping the machine after any given number of rows by means of a hole in the card.

Two-Side Control

All operations can be controlled on both sides of the machine. The travel of the cards can be carried out either over one or two cards simultaneously, whereby no hole is punched for travel over one card only.

The main roller for the take-up mechanism is sub-divided in 16 units for the 63-inch width machine.

The individually sprung rollers are covered with profiled rubber of light color which does not stain. The counter pressure roller consists of 16 double plastic rollers, which can be ad-

justed individually by spring pressure. The loading of the take-up roller is effected by an adjustable spring mechanism and additional weights. The clutch is disengaged by actuating a relay and this ensures immediate stopping of the machine by a hole in the card or, in case of breaking of the yarn, the knot catcher, jamming the carriage, disturbance of racking and dropping of the material, as well as by means of a controller in the shape of a feeler between the back-off cams which also operates in case of bunching up.

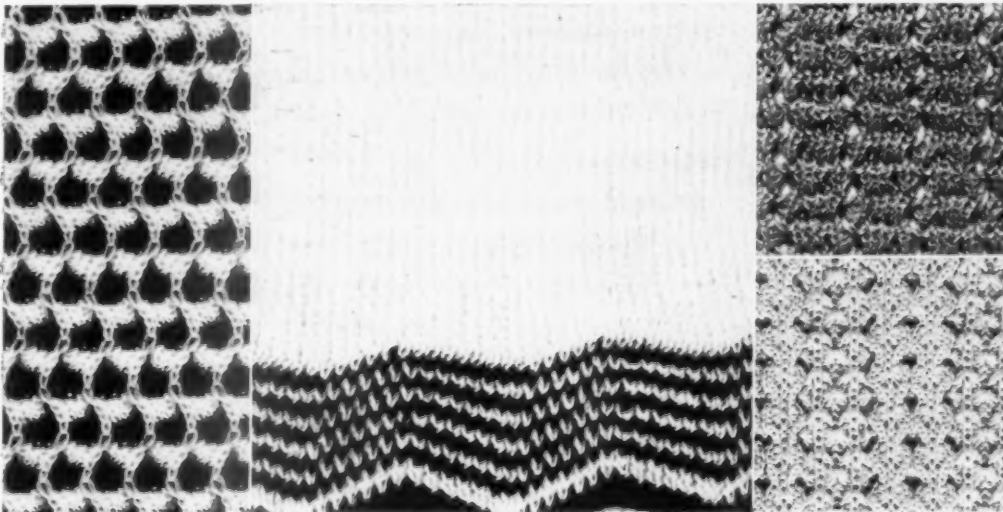
The Alemania machine is sold in this country and Canada by Tricoma, Inc., New York City.

Dubied Style Magazine Reorganized In Format

Dubied Machinery Company has planned some changes in the fashion magazine, *Lavori di Maglieri*, put out by its Italian agency.

The forthcoming first issue of 1960 will be slightly smaller in format, containing some 75 styles and a somewhat less detailed appendix. The appendix includes design instructions, available in French, German, Italian and Spanish.

To compensate for the abbreviated edition, the magazine will be published four times a year, instead of the previous three. The price has been reduced to \$1.75 per copy or \$6 per annual subscription.



Samples of fabrics produced on Model F8.



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Production Control**Review Of Basic Principles Of Work Motion Economy**

By **BERTRAND FRANK**
 Bertrand Frank Associates
 Consulting Management Engineers

WE constantly review the bases of the principles of motion economy—the ways of saving work as they apply to apparel manufacturing. This is a continuing search for ways in which clients can cut costs. For simplicity, our guiding rule usually is that a task is performed with economy of motion when both the time required at an average work pace and the resulting fatigue are at a minimum. The piece worker is the one performing at "average work pace" and it is the waste of his energy we strive to eliminate.

Obviously the fatigue- and time-consuming aspects of various work motions are related to their frequency, length, coordination and use of muscles by the body. In apparel factories there is a continuous debate regarding the possibility of overly simplifying jobs. You cut the time required but unfortunately you also may increase the fatigue because of a lack of interest in the extremely simple work. This in turn introduces the interesting question of just what is fatigue in the sewing room. Are you truly tired or are you bored to some or a large degree with your work?

The fundamental principles of motion economy today are thought to be fifteen in number:

1. Minimize the number of motions in a job.
2. Minimize the lengths of motions involved in the work.
3. Minimize the number of parts of the body needed for a motion.
4. Provide for the use of curved motions.
5. Minimize the need for control of motions by muscles.
6. Minimize the muscle force required for motions.
7. Encourage good habits through repetitive motion paths.
8. Make motions easy and natural considering the body characteristics.
9. Minimize the seeing by the eye.
10. Where searching is necessary minimize the distance between various searchings.
11. Simplify recognition by the eye when a search is involved.
12. Use the members of the body according to the muscle

capacity of each — arms, legs, fingers.

13. Arrange for intermittent use of different muscles.

14. Provide for simultaneous use of both arms.

15. Provide for the greatest symmetry of the motions of both arms as in swinging hands in walking.

Minimize Motions

In applying the principles of motion economy the first rule is to minimize the number of motions. As a general example, the use of a larger or combined bundle in the sewing room reduces the amount of bundle handling time per garment operation. Multiply this gain by the many operations in your garment and you see the potential for time saving by this simple reduction in work motions.

More specifically, in using an electric rather than hand tape dispenser for sealing shipping cartons you should find that on the average less motions are involved than with a hand operated machine for the tape is automatically measured. Time is saved by eliminating the frequent repetitions of the dispensing motion; the worker is assured of the wanted length of tape; and usually a reduction in the use of tape itself can be expected as a by-product.

Thus, the first step in motion economy goes back to the elementary rule of job simplification: eliminate work, or in this case, motions. Eliminate the unnecessary effort by workplace improvement, by reduction of handling associated with the job and by the simplification of the details of performing the job.

Motion Lengths and Curved Motions

Following the minimizing of the number of motions in the job the next step is to minimize the length of motions and to provide for the use of curved

motions if possible.

The lengths of motions are directly related to the layout of the workplace in many cases. Thus, the operator who must reach to a tray at her right for labels to insert in a seam, not only loses time but probably has a "searching" job as well. The location of a label holder or dispenser under the sewing machine arm minimizes the length of this motion.

The curved motion usually is easier than either the angular motion or a straight motion. It is illustrated by the sewing pick up of a garment part from the truck to the left—as used in the single truck, truck-flow method of garment assembly. The pendulum-like action of the left arm makes easiest the movement of the garment in a curved rather than a straight line. A dispose to the left and somewhat forward from the sewing needle back to the truck also involves a curved left arm motion for the easiest handling. Indeed many jobs, upon review, will be found to lend themselves to curved rather than straight or angular motions.

After minimizing the number and length of motions and providing, where possible, for curved rather than straight motions, the next step is to minimize the effort required from the physical members of the body in doing the job. Thus, one should:

- Minimize the number of parts of the body involved in a motion.
- Minimize the need for control of motions by muscles.
- Minimize the muscle force required for motions.

A good example is the use of a solenoid action on a cam-controlled tacker. This aids in all three areas. Normally a leg and foot action starts the machine while the hands feed the work. A tap of the finger on the solenoid switch becomes a natural part of the work motion. This reduces the number of body parts at work. The same action simplifies the need for control of the motions by the muscles for the electric starting takes over and completes the auto-

matic sequence of the process. Again muscle force is minimized for the finger triggering action obviously is easier than with a foot treadle.

Good Work Habits

A fourth point of interest here is to encourage good motion habits, through repetitive work as in sewing the same dart rather than a variety of darts. People tend to eliminate excessive handling by themselves when they follow repetitive motion paths and do the same job again and again. Of course, where style is a factor as in most of the apparel industry, the encouraging of good habits must fall in part upon the supervision. Yet they would do well wherever feasible to encourage the operator's own development through her use of repetitive motion paths.

Repetitive motion paths build good work habits; witness the rise in output with practice in almost any of the apparel industry's jobs. Good habits, however, are most easily achieved when motions are easy and natural. This involves first the layout of the work place to minimize the searching by the eye for such things as labels or garment parts. Next, if searching is essential in performing the job the proper arrangement of the work place should minimize the distance among the various searchings. Finally, it is best to simplify the act of recognition. Thus, a scissors painted black and resting on a black machine base is not so easily found as a silvery one caught by a small magnet.

Muscle Capacity

Muscle capacity also plays an important role in motion economy. So, a sewing machine treadle that is abnormally difficult to move or one that is excessively sensitive can be fatiguing. Again the constant use of one group of muscles is poor policy. You should provide for the intermittent use of different muscles. An example of this, is the rest period during which people actually leave their work places.

(Continued on Page 49)

Men's Wear

Diversified Jantzen Fall Line Includes "Luxury" Group

PORTLAND, Ore.—Jantzen, Inc., is well and amply prepared to pamper the American male in his current enthusiasm for luxury, high fashion and the imported look. The fall, 1960, sweater line for men in fact carries a higher price per unit than does the corresponding feminine collection, it was pointed out by Jantzen personnel.

Prominent in the new collection is a "Triple Crown" group of perhaps nine or 10 styles, featuring not only the "imported look" but also an extra high mark-up for the store. It is, however, as in the past a well-diversified line, with a wide area of choice in styles and prices.

Other important aspects of the fall sportswear line are: the hand-knitted look; bulkies, prominent as ever, perhaps more so; jacquard patterns; the Norwegian influence and the Scottish - Irish - English influence; heathering, with many colors blended into the mixture; and a continuation of sweaters in brushed wool-and-mohair mixture. Napped sweaters of all kinds are holding strong, ranging from the very lightly napped to a heavy brushed effect. The "fur look" is getting a good play, in both pullover and cardigan styles.

Style Array

Stylewise, there are many zip-front cardigans and convertible turtlenecks; pullovers of all kinds; with numerous variations of V-necks, boats, shawl, and other newer types of collars. Cardigans and vests button higher this year, usually with

one more button than in the past season.

Cablings, popcorn stitches and basket knits occur frequently. New knitting techniques provide novel stitches, both in solids and two-color combinations.

Ivy colors; olives; brassy, antique shades of gold; gray and taupe—all are prominent in the color scheme. Olives tend to be subdued and sombre, in muted shades ranging from a light "bone olive" and "pinewood"—a grayed olive—to a black olive.

Lightened-Up Effect

When traditional shades are used, they are apt to be combined with white, to give a "lightened-up" effect. There are fewer reds than in past seasons.

Jantzen's new "Triple Crown" group, with the imported look, includes a number of styles in all wool; one in mohair, with 20 percent nylon added; and a "Royal Cable" cardigan and shawl pullover, in 50 percent wool, 25 percent mohair and 25 percent alpaca.

This latter pair is an oversize half-cardigan stitch and has a cable down each side of the front and, in the case of the V-necked cardigan, extending completely over the low-placed



"Royal Cable" models, left, from Jantzen "Triple Crown" group, are in wool, mohair and alpaca. The pullover is shawl collared and the cardigan comes with V-neckline and cabling over the pocket. The wool number, right, is in a small hound's tooth pattern, underscored by solid turtleneck insert.

patch pockets.

The "Trent" pullover, in wool, stresses a hand-knit look with stitches producing a geometric type of design. A short zipper joins together a kind of tuxedo front in horizontal ribbing, surmounted by a narrow V-opening.

Another wool bulky has a crossed-over shawl collar, anchored at its base to a front panel displaying twin rows of metal buttons in a double-breasted look.

The jumbo knit "Viking" pullover has a boat neck and an extravagantly sized V applique of contrasting cabling, which

plunges almost to the waist. Colors are pinewood, with white V applique; white, with brown and black with wild brass.

Color Emphasis

The "Triple Crown" group, in general, features such colors as wild brass, China tea, suede taupe, bone olive, black olive, pinewood, brown flame, beige heather and white. Retail prices range from \$19.95 for a horizontally-striped wool pullover to \$29.95 for the semi-bulky "Colossus" pullover in mohair and nylon.

Jantzen's bulky knit group for 1960 presents a number of interesting textural effects, employing wicker knits, contrasting stitch effects and racking.

Brushed sweaters of 75 percent wool and 25 percent mohair are offered in a variety of patterns. The "Picture Shag" group, includes a pullover with eye-catching vertical zigzag stripes, at \$14.95. Combinations are wild brass or pinewood, with white; or black olive with black. It has matchmates in the boys' and pre-teens' lines.

Others in the shag group include argyles in heathered multi-colors—a pullover and a shawl-collared six-button cardigan. Typical combinations are vicuna, white and black olive; white, wild brass and charcoal; black

(Continued on Page 11)



Fall pullovers from Jantzen's 1960 line, left to right, include: the "Zig Zag Shag," a wool and mohair boat neck model; the "Viking," a wool pullover from the "Triple Crown" group with plunging cable applique; and the "Nationale," another "Triple Crown" pullover in wool, with boat neck, side slits and texture accent.

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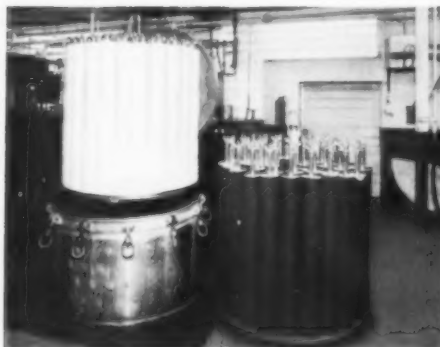
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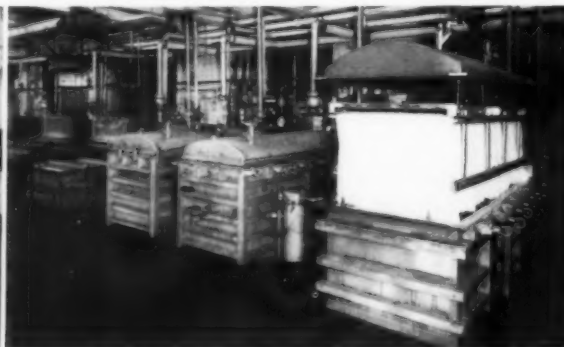
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Nationale, another "Triple Crown" pullover in wool, with boat neck, side slits and texture accent.

(Continued on Page 11)

Men's Wear**Luxury Group
In Jantzen Line***(Continued from Page 8)*

olive, Chianti and black; white, vicuna and light blue.

The "Fair Isle" pullover, matchmated with women's, boys' and pre-teens' sweaters, is in an Irish-influenced pattern. The design is in two colors on a solid background. Color combinations are subdued.

A handsome collegiate group in 100 percent wool includes several brushed pullovers in solids, marls and stripes. Other wool sweaters are in bold stripings. A big seller of 1959, being repeated in other colors, is the "Canadiens" four-button cardigan with deep V-neck and vertical stripes.

Suede Combination

Suede is combined with knit fabric to give dual personality to a sleeveless pullover vest and four-button cardigan. The dry-cleanable suede is used for the front of the garment, while a new blend of 50 percent alpaca

and 50 percent worsted is used for a knit back, pocket edging and other trim. Armholes of the vest are outlined in knit, and the sleeves of the cardigan are knitted. These retail at \$16.95 and \$22.95 respectively.

The "sheepskin look," in acrylic pile fabric on cotton backing, is a popular holdover from the 1959 line. The "Husky," with knit band and cuffs, comes in a pullover with slit boat neck and in a high-buttoning V-neck cardigan with gold buttons.

The "Chain Mail" knit group is in 60 percent wool, 25 percent Acrilan and 15 percent nylon, mostly in geometric textured knits. Names of the sweaters are from the "Round Table" legends — "Galahad," "Sir Knight," "Lancelot," etc. Each of these has a match-mate in the boys' line. Several zip front cardigans are included—some with collars, and others with round necks and collarless.

Novelty V-Necklines

Pullovers include several novelty necklines, such as a big double V applied in contrast color; or a smaller V, trimmed

in a rather wide band of solid color, on a body of two-tone hound's tooth texture. Other hound's tooth sweaters include a solid color V-yoke with turtle neck, and a cardigan with convertible shawl collar. Both have trim in the solid color.

The "Jet Stream" group combines 75 percent lamb's wool with Orlon. Color combinations permit a selection of marls, mists, tweeds or solids. The "Jet Stream" pullover has the lining of its shawl collar in a contrast color — Chianti tweed, with solid-color collar, gold heather with medium charcoal collar, olive mist with black, navy tweed with gold heather, etc.

The lamb's wool-Orlon combination forms a large group, with numerous other textured knit styles.

Textured Shirt Range

Men's shirts in the 1960 line feature texture, achieved either through the knitting or the yarns. They include Orlon, Helanca, Ban-Lon, zephyr wool, and a combination of 60 percent lamb's wool and 40 percent cotton. Most of them are un-

trimmed or are neatly trimmed, without garishness. Some of the fabrics are in two-tone effects.

Among the newer notes are the side vents at the bottom of the shirt.

The Ken Venturi cotton shirt, an extremely popular seller, continues to be spotlighted. It is done in a very tightly knitted fabric; men like the fit of its collar and placket.

Small collars and three-button plackets characterize the knit shirt group, with a variety of small textured trims or contrast detailings on the collars and sometimes or cuffs or band. Both long- and short-sleeved styles are included. Prices range from \$8.95 to \$13.95.

The "Harvard Square" shirt, in textured Ban-Lon, has short, full-fashioned raglan sleeves and a pattern of little squares knitted into the front. The collar has a textured trim. This shirt will retail at \$10.95.

The long-sleeved "Noble Laird" shirt, at \$12.95, is of Orlon in an all-over jacquard plaid design in subdued three-color combinations; it is trimmed in a solid color.

TO CHEAPEN OR NOT TO CHEAPEN

On a rising market, there is always the temptation to cheapen a product in order to hold the price line.

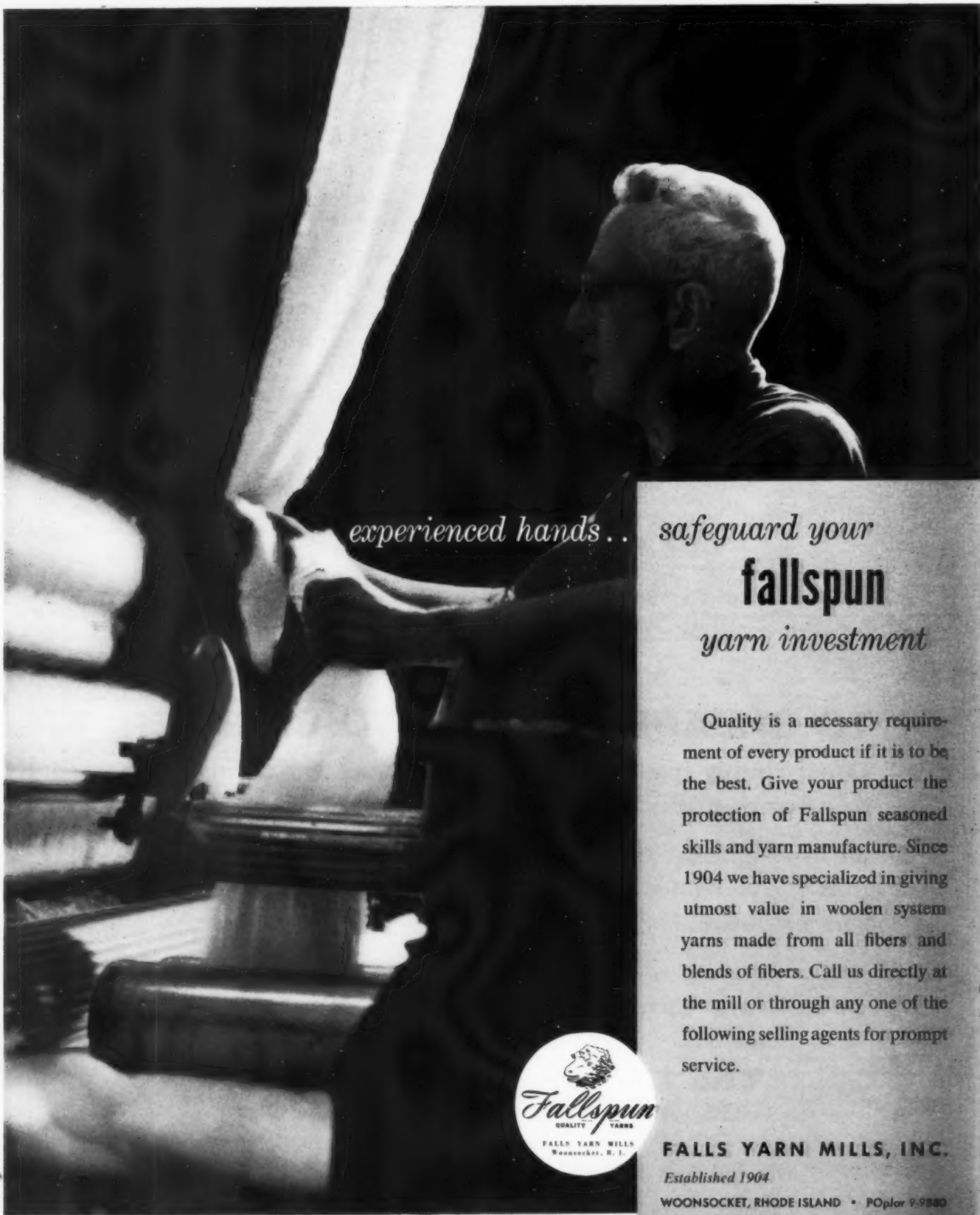
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Men's Wear

Mills Foresee Late Depth Bookings, Buyer Demand For Better Goods

PHILADELPHIA, Pa. — Men's sweater mills here are experiencing what one mill owner described as the "calm before the inevitable avalanche" — the time when many now hesitating to commit themselves in depth come late into the market and clamor for goods on normal delivery schedules.

Most mills selling to the wholesale trade booked substantial business earlier in the year but reorders have been spotty. As for mills selling directly to the retail trade, all report "very enthusiastic" reaction but the really heavy commitments are yet to come.

A striking note in the reaction of buyers is reported unanimously by mills here. All are going for the better priced, more stylized, goods, not only in men's sweaters but in boys and juveniles as well. "There is a tremendous interest in the better goods," sources say.

Many of the mills here have expanded the upper range of

their lines to accommodate this demand for better priced goods.

Sources here expect the big breakthrough to come before mid-April. By that time retailers will have to have made up their minds about the matter of collars and colors which is supposed to be causing their present uncertainty.

"The very thing that makes present knitwear business good is the same thing that makes it difficult," one leading mill owner noted. "That is the tremendous diversity of style and color available today in the men's sweater field."

Across-Board Bookings

Meanwhile, the business which is being booked from the retailer is reported in most instances to be "across-the-board" rather than in depth. Uncertain whether to bet on shawl collars, boat necks, or the new high-V's, buyers are taking "some of each," sources report.

Throughout, bulkies dominate the men's and the boys' sweater

picture. They are being offered in a bigger variety than ever of styles, brushed finishes, brushed jacquard patterns and novelty stitches. Variations on rack stitches are especially important this year.

Everyone here is optimistic about fall business and all are sticking by earlier predictions that it will be another record year, despite a spotty start. Ingram Bergman, head of Bergman Knitting Mills aptly summed up current feeling in the industry about the prospects for the year.

Purchasing Power Up

"It depends on whether you look at the forest or the trees," he said. "The gross national product gets bigger all the time. The first three months of this year were the best in history. Personal income in this country is going constantly up and our industry is bound to get its share of this ever-increasing purchasing power."

Meanwhile, momentum has gradually been building up and total bookings are good, Mr. Bergman noted. Bulkies again this year are the number one items. Styling and color, along

with novelty knitting treatments, are the dominant points of interest.

The real concern of most mill owners is that a late start may mean a frantic finish trying to make delivery dates. As one source put it, "Business got off to an early start last year and still the demand was so great later on that we had a tough delivery situation. What will it be this year with a later start?"

Bulk Stitch Big

"Business is coming in very nicely," David Rosenblatt of Highland Knitting Mills, reported. He said his firm is specializing in bulkies with emphasis on a variety of stitch developments along with colors.

Mr. Rosenblatt noted that buyers are ordering more in variety than in depth currently, reflecting the need to be covered across-the-board on style features such as boat and V neck and shawl collar treatments.

This firm, like many contacted, has extended the offerings in its upper price range because of a definite demand in this direction.

Jack Soowal of Novelty Knit-
(Continued on Page 51)

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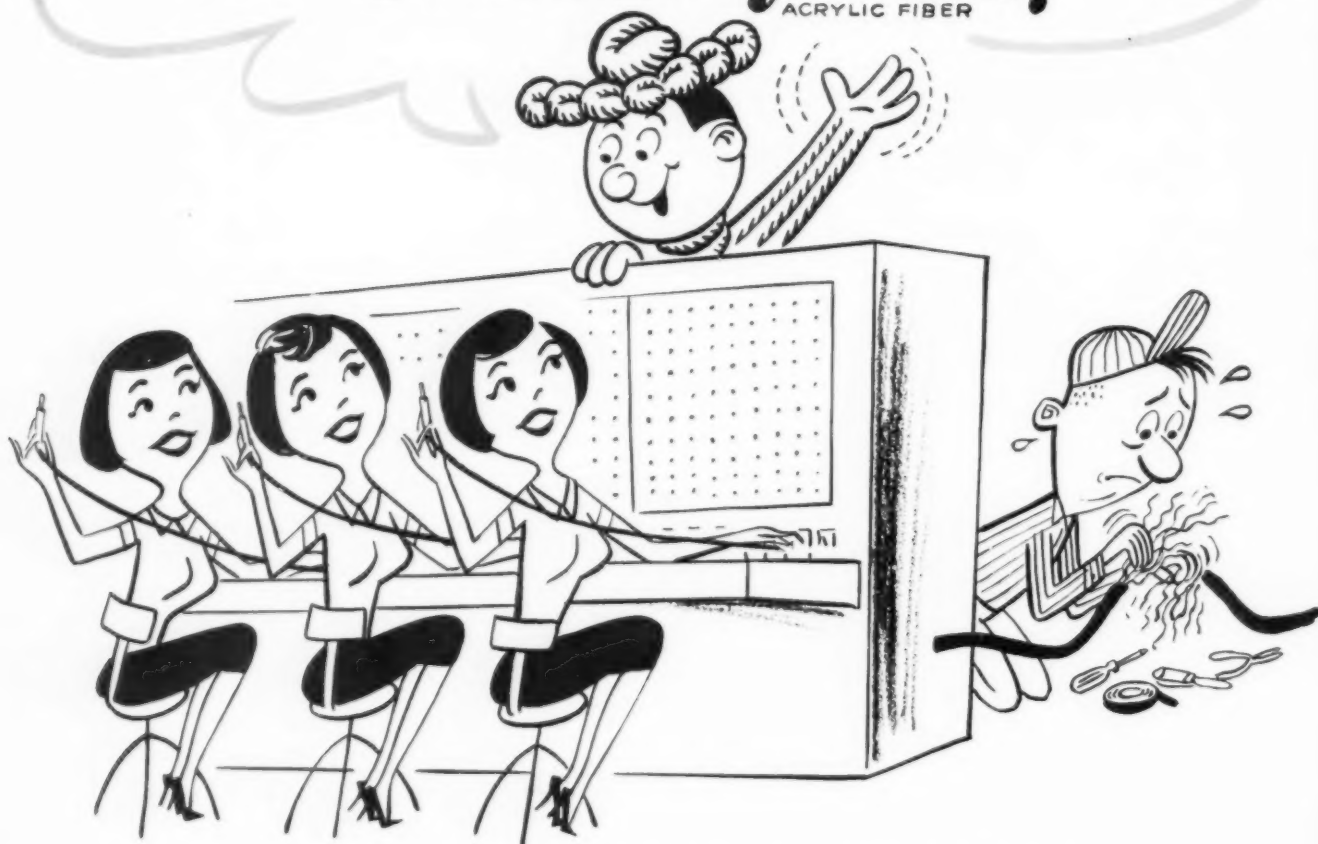
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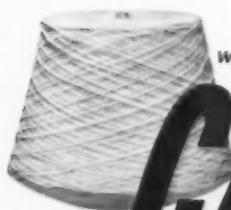


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Boys' Sweater Fashions From Abroad

Sporty, Adult Air Permeates Pullovers And Cardigans

Zip front cardigans with ski slope potential, showing up on the American male market, get Continental attention for the younger set in such styles as the jacquard model.



A triangular ribbed insert offsets the boat neckline of the jaunty pullover, above, and contrasts with the body, which is, on the whole, fairly flat knit.

Reverse coloring is a focal point in the bulky sweater-shirt, below. The white yoke contrasts boldly with the dark collar and body. Shoulders slope.



Another version of the zippered cardigan is double striped to suggest a V-shaped chest and shoulder yoke of rib stitching.



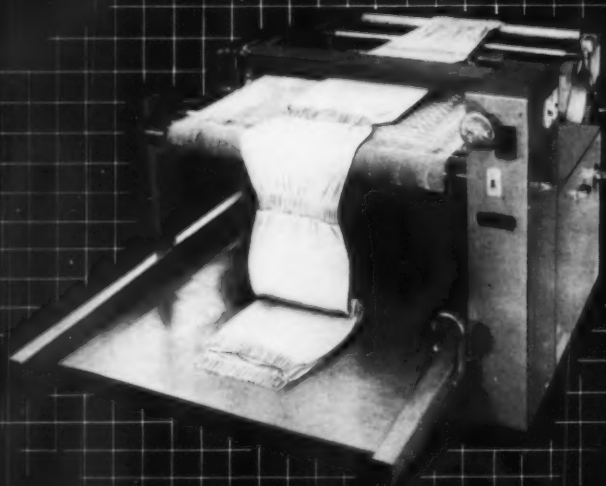
This variation of the sweater-shirt, at right, is horizontally striped and collared in a dark hue, striking against the white.



No less seaworthy than his older counterparts is the young man, above, sporting a middy collared pullover with short sleeves and side vents.



The interest in novel sleeves banding is reflected in the bulky ribbed cardigan, at right. Both cuffs and upper arm are circled by series of stripes.



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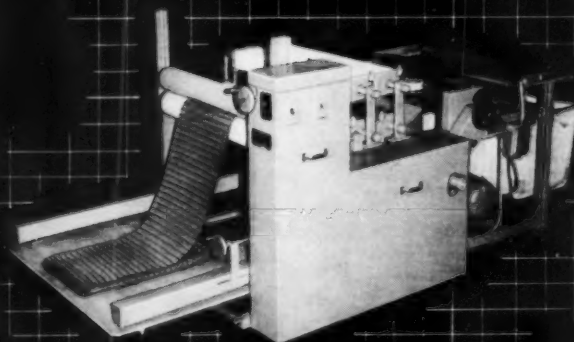
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Children's Sweater Fashions From Abroad

Simple Collars And Trims Detail Young Set Slipovers



Contrasting ribbed trim decorates the neckline of the otherwise solid pullover, above. Banding extends from the back of the neck to form decor at the raglan shoulder line.

Cap sleeves complement the easy, uncluttered lines of the solid slipover, at right. Neckline banding and front paneling contrast in stitch with the rest of the sweater.



The square yoke and pointed collar of the short-sleeved slipover, above, are striped on white in the body color of the sweater.

Puffed sleeves are pretty on the jewel neck slipover, below, with subtle shoulder yoke underscored by rounded flaps. Neckline, cuffs and hem are finished off with ribbing.



A pin stripe narrow undulating line runs horizontally on the body of the turtleneck pullover, at left, offering raised texture interest of a novel nature.

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Children's Wear

McKem-Vanta Highlights Plaids, Screen Prints In Fall Collection

STOUGHTON, Mass. — The McKem-Vanta division of Shawmut Knitting Mills plans to continue its Royal-O plaid coordinates for fall, introduced last season, and will extend plaids knit on jacquard machines into a line of boys' shirts. The new line also contains a great variety of polo shirts and fashioned collar shirts decorated with novelty screen prints for boys and girls of all age groups.

No cardigans appear in the line and Michael Viola, vice-president in charge of designing, said that it was likely more Orlon would be added for the coming season in addition to cotton knits which have predominated in past years.

Green and gold and powder blue and red have been used for the Royal-O plaids this fall. The coordinates in girls' sizes three to 6X and seven to 14 consist of pleated skirts, ski coats and white knit blouses with collar and cuff trim of matching plaid.

Calico Screen Print

This firm has not used grape shades expected to be widely used in the older styles this fall. New this year, however, is a calico screen print. In girls' sizes, one to four, this has been used on an oval inset yoke in pink and aqua on a pink shirt or blue and maize on a blue shirt. The yoke is decorated with two buttons at the neck.

For this same age group, there is a pullover with a welt edge mock turtle collar and a three-inch panel of rick-racking down the front. It comes in blue and red combinations on white. Another novelty for this group has a Peter Pan collar and a two button placket. A Scottie is embroidered in black and red and the reverse on the chest.

Other novelty styles include a jabot collar with a slit open placket and a bow under the chin. It is offered in pink and red with a white body. A round welt collar has also been used for a knit shirt trimmed with polka dot fashion small squares of red or blue on white.

For boys, there are shirts with fashioned collar and two button placket. These come in combina-

tions of white, red and navy or white, gray and cadet blue. The top is white and the body takes the color with a double stripe separation and a placed stripe of circus-train silhouettes across the chest. Other jacquard motifs for this group include Indian, dog and dog house and boy and girl figures.

The knit jacquard plaid shirts for boys sized three to 6X and seven to 14 are made up in shades of tarnished green or red with black and yellow. Flat knit Peter Pan collars are of a single basic color. For boys' polo shirts, an allover tapestry pattern has been used with the inch and one-half crew neck in a solid color. Colors are marine blue, tan heather, brown and tarnished green.

A brushed herringbone in black with blue or red and all-over stripes in two tones of red or green have been used for boys shirts. One impressive novelty in tan and brown is an allover pin check with penguin figures in small open squares. This shirt has long sleeves and fashioned welt collar of tan edged with double stripes of varying widths. This style is also available in red or green with gray.

Feminine Print Motifs

For girls sized seven to 14 there are long-sleeved sweaters with Peter Pan collars and a Bay Leaf screen print design down the front in white on red and black on white. Another print in this group consists of a five inch stripe placed across the chest with a screen print of ski silhouettes. This is set off by horizontal striping top and bottom. The sweater has a turtle-neck and an allover pattern of fine horizontal stripes. White, gold and loden green are used for this garment.

Tapestry designs have also been used in sizes eight to 14 for boys. A long-sleeved crew neck number has the design on the top half of the pullover in red and black with the bottom half in oxford gray. A double stripe is used for separation. Other color combinations include heather brown and white, or tomato red and brown.



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Ladies' Sweater Fashions From Abroad

New Neckline Notes In Slipovers From The Continent



Exemplary of the trend toward soft feminine necklines is the fringed scarf treatment, at left. Sloping raglan shoulders and three-quarter sleeves complete the picture.



A square two-tone yoke frames the interesting band and tab neckline approach to the sweater, above. The hemline reiterates the tab theme.



A mitered two-button tab meets the moderately plunging neckline of the three-quarter sleeve slipover, above, a good setting for pearls and the like.




The V-neck of the vertically striped sports pullover, above, takes a deep plunge to reveal the slipover beneath. Turned under sleeves are of the important three-quarters length.



Tri-tone stripes circle the neckline, sleeves and hem of the long torso number, at right. A tie stemming from the hemline accentuates the length. Note three-button placket.



The bulky pullover, below, creates a perfect foil for scarves through an away-from-the-throat neckline. Collar, pockets and hem are ribbed.



Sweater buyers are tired. Tired of the same old fibers, same old color treatments, same old stitches. Isn't there anything new on the sweater scene? Well, this fall there is. There's Acrilan. That's right, Acrilan acrylic fiber. The same Acrilan that's a byword in other fashion fields, but with this difference: This Acrilan is expressly engineered for sweaters. ¶ What can Acrilan do that other fibers can't? It can take color combinations no knitter could ever reasonably make before. Even in bulkies, where color possibilities have always been limited! It can produce napped and sheared styles in multi-color treatments un-

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eat new sweater story for Fall!

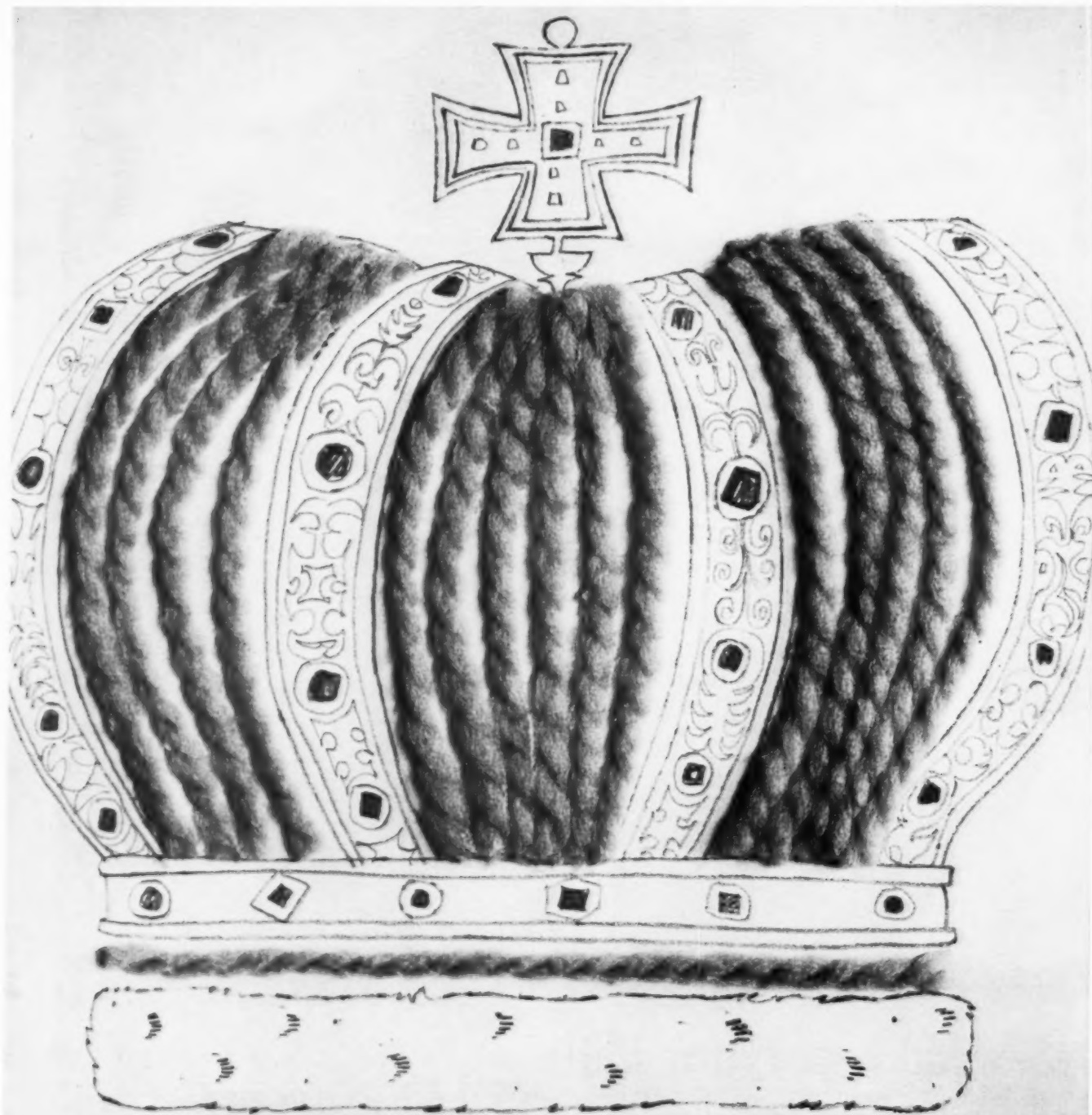
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Children's Wear**Shirtees Features Textured Knits**

Shirtees is offering a wide range of cotton shirts and coordinates in its collection of children's knit wear. The line includes garments in toddler sizes two to four, little boys' and girls' sizes one to four, girls' sizes three to 6X and seven to 14 and boys' sizes three to eight and six to 16.

Textured knits appear to be in the forefront in this collection. Printed numbers are included. Horizontal striping is also prevalent in the line.

Collar and placket styling predominates in the boys' group, although the Continental influence is also manifest in such numbers as convertible and Continental collared shirts. Some boat neck pullovers are featured, especially with nautical and horizontal motifs.

Peter Pan Collars

In the girls' wear, the Peter Pan collar is receiving stress. Shawl collars are of importance, along with convertible collars



Knit offerings from Shirtees include a crest-trimmed polo shirt with two-tone banding at short sleeves and V-neck; a sleeveless slipover in an all-over two-color pattern, with square neck fore and aft; and a puff-sleeved blouse with a rosebud print motif and rounded collar.

and V-necklines. Yellow, red, white, navy and light blue are the highlighted shades.

Toddler sets in sizes two, three, and four are comprised of cotton knit shirts which coordinate with woven pants. One such

outfit has a textured cotton shirt in white with convertible collar. The V-neckline and cuffs on the short sleeves are in a contrasting color. The collar has two rows of striping at the edges, also in a contrasting color.

The set is offered in white with copen blue, charcoal and antelope and wholesales at \$28.75 per dozen. The sets are also available with collar and placket, crew or convertible styl-
(Continued on Page 27)

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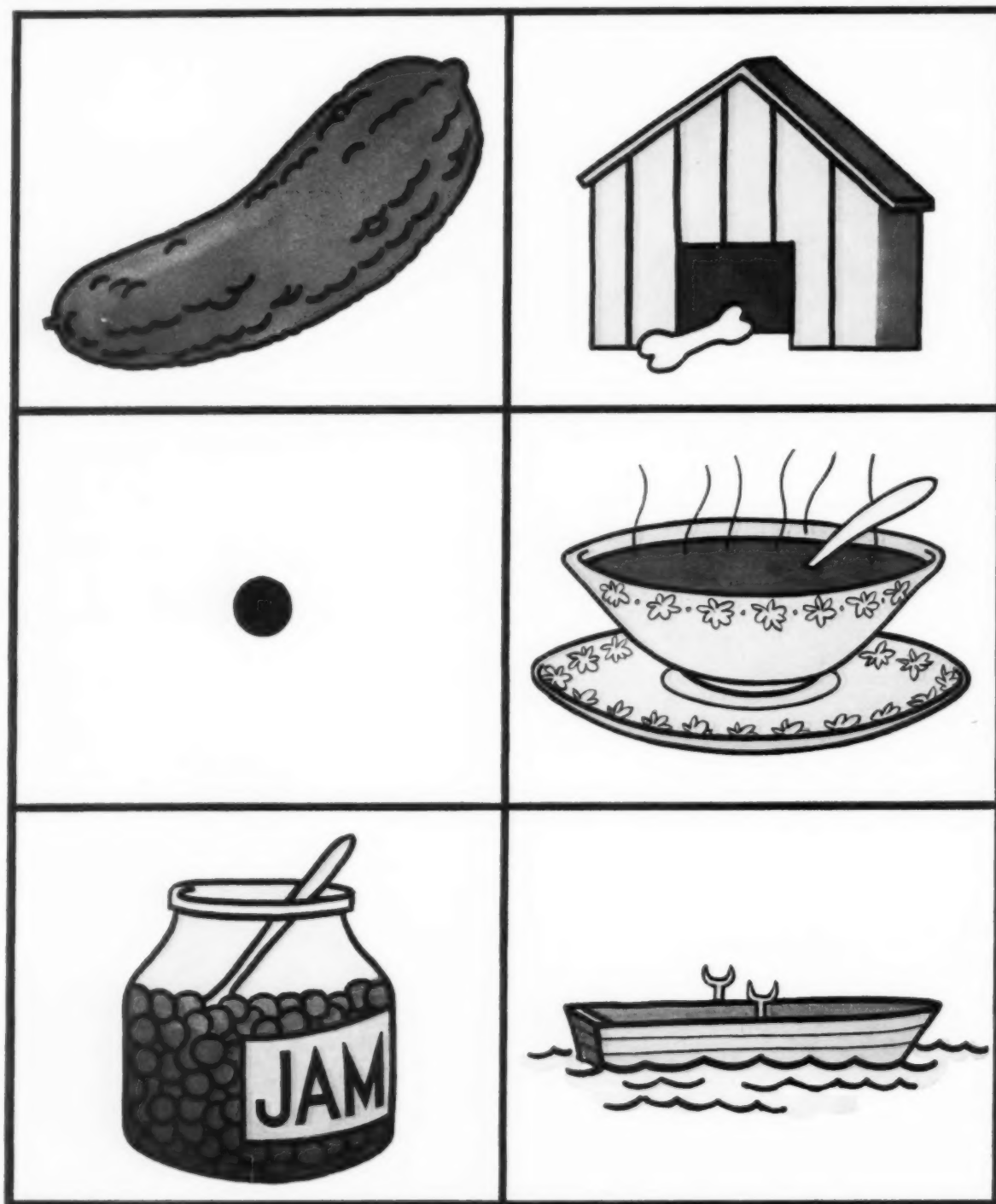
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Children's Wear

Philadelphia Mart Draws Swimwear Orders, Fill-Ins

PHILADELPHIA, Pa.—Cotton swim suits for girls, abundantly treated to ruffles, one-piece knits and Lastex suits were popular items at the Philadelphia Children's Wear summer show at the Benjamin Franklin, March 27 to 30. Boys' woven cotton and knitted trunks drew response.

As expected, the show was not an important one for sweaters on the whole, with the exception of some fill-in business. Some filling-in was done on girls' Orlon bulkies, mainly in white; many knitwear sources, however, reported better sales on infants' Orlon bootie sets, creeper sets and shawls.

Good at the Regal Knitwear stand were girls' one-piece cotton swim suits with overskirts, notably one navy Lastex model with white Arnel skirt, Joe Polin said. Many of the cotton suits were in pastel checks.

The firm also showed two-piece models, including one in a splashy South Seas print with

ruffles surrounding both parts of the suit.

Boys' trunks were good in knits and cottons. The knits moved especially well in regular lengths, rather than the long-leg models.

Also good at Regal were infants' Orlon bootie sets.

Pattern Interest

Blue Bird Knitwear Co. showed one-piece knitted suits with various pattern treatments, solid-color stretch suits and two-piece cottons.

Ruffles appear frequently on the cotton suits, usually shown with elasticized backs. One-piece suits often feature pleated skirts.

Best selling items at Knitown Togs and Doespun, Inc., were infants' sweaters and bootie sets, white shawls and novelty sleeveless polo shirts, Max Schepps said.

Notably good were plastic-lined knit creepers and creeper sets in two- and three-piece styles.

Rudin Needlecraft represented by Murray Hurtig, showed imported cotton knit sets. One model features a striped blazer top with solid color shorts. Some tops have raglan sleeves.

Popular at Wooly Togs Knit-

wear Corp. were two-piece cotton diaper sets with humorous printed slogans, Nicholas Abdellhak said.

Shirtees '60 Collection Favors Textured Effects

(Continued from Page 25)

ing; either long or short pants may be had.

In the girls' one to four category delicate prints and knits predominate. One pullover, with scalloped collar and puffed sleeves, has two buttons trimming the neckline in placket fashion. The shirt is offered in a pastel floral print and wholesales at \$14.50 per dozen. In the same group, a V-neck pullover is of importance. This textured knit has two-tone striping around the neckline and the cuffs of the puffed sleeves. It is a \$9.50 wholesaler.

Peter Pan Collar

Of interest in the seven to 14 grouping is a cotton knit pullover with white Peter Pan collar. A two-piece look is achieved through the use of a horizontally striped body and solid color short sleeves and cuffs. This interesting number is offered at \$15.75 wholesale.

A variety of collar and placket

numbers are available for older boys. Textured knits, striped patterns and solids with crest motifs are of importance. Worthy of particular mention is a textured cotton and Dacron shirt. It has interesting stripes on the collar edges. Also of interest is a white on white cotton knit with wide contrast colored stripes on collar edges. The second color is picked up once again in the crest motif on the front of this collar and placket number, which wholesales for \$21.50 per dozen.

Trade Education

Class In Warp Knitting Planned At Kidde Textile

BLOOMFIELD, N. J. — A four-session course in warp knitting design and analysis will be conducted at Kidde Textile Machinery Corp., here, by Professor Thomas Edman, head of the knitting department at Philadelphia Textile Institute.

The class opens on April 30 and will run for four consecutive Saturdays from 9 A.M. to 5 P.M. Enrollment is limited to 25. Students may enroll by mail to PTI or at the first class session. The course fee of \$40 is payable to Philadelphia Textile Institute.

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Ladies' And Misses'**Coordination Of Style And Color
Focal Point Of Cortina Fall Line**

LOS ANGELES, Calif.—Although a relatively short line as individual items go, the completely coordinated color and style planning provides an indefinite number of possible combinations in the just-released Cortina Knits fall line.

Colors are primarily soft, subdued fall tones. They include oxford, black, vicuna, driftwood brown, clay, cypress, lime and copper. Two bright shades, Venetian pink and Riviera blue, are included for contrast.

One basic skirt, one basic pair of slacks, five sweater-tops, one blazer and five suits comprise the line. All items feature a fine worsted flat knit and are distinguished by the careful detailing usually seen in European imports. Multi-colored stripe accents on tops and jackets permit combination with several shades of slacks or skirts.

Price Ranges

Mark-ups are especially good this year, with individual pieces

wholesaling from \$11.75 to \$19.00 and retailing from \$19.95 to \$35.00. Suits wholesale from \$27.75 to \$32.75 and retail from \$49.95 to \$59.95.

The basic pants, slim and tapered, with elastic inner waistband and side zipper closing, are available in all 10 colors and in one-inch waistband graduations from 23 through 28.

The slim sheath skirt is fully lined in acetate taffeta with elastic inner waistband, side zipper closing and a single pleat at back. The skirt is shown in oxford, black, driftwood, regency blue, clay and cypress.

Coordinating Sweater Tops

Each of the five sweater-tops is so designed color-wise that it can be combined with skirt or pants in either of two colors as well as black. "Deauville" is a relaxed line sweater top in vertical narrow stripes with plain open neck and casual collar. The elbow-length sleeves are trimmed with a band of the same

stripes. Colors are oxford, lime and white; black, vicuna and white; clay, cypress and white; and copper, oxford and white.

"Rapallo" is a relaxed sweater top in multi-colored stripes with elbow-length sleeves and casual collar in oxford, lime, white and copper; driftwood, clay, white and black; Regency blue, black and Riviera blue and cypress, vicuna, white and plum. "Promenade" is a relaxed silhouette sweater top with an unusually well-fitted crew neck and three-quarter sleeves. It has multi-colored stripes at the hem and sleeves of a solid ground body and comes in base colors of oxford, black and driftwood.

"Belmont" is a cardigan sweater top with a casual collar, three-quarter sleeves and variegated two-colored stripes — in black and copper; Venetian pink and black; Clay and white; or lime and oxford. "Essex" is a three-color striped sweater top, on which the stripes form a large mitered or herringbone pattern. It has elbow-length sleeves. Colors are in oxford and white with vicuna, Riviera blue, lime or copper.

The blazer, called "Voyag-



From Cortina Knits comes the "Deauville," a relaxed sweater with narrow vertical stripes and collared casual neckline, shown over mating slim slacks.

eur," is vertically striped in oxford, driftwood or Regency blue and black. Loosely fitted, it features
(Continued on Page 31)

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tures welt pockets, long sleeves, inset hip pockets, silver buttons and acetate taffeta lining.

The suits, or "Continental Knit Sets," are excellent costumes. While not dressy they are certainly far from casual. "Bristol," for example, is composed of a monotone striped semi-fitted jacket with a soft collar, three-quarter sleeves and pearl buttons, topping a sheath skirt. Both pieces are acetate taffeta lined. White is introduced as the secondary color on grounds of oxford, driftwood. Regency blue or clay.

"Elysee" is smart with a loosely-fitted jacket with square neck and rolled three-quarter collar featuring vertical narrow stripes knitted in a center front pattern. Both the three-quarter sleeved jacket and the sheath skirt are acetate taffeta lined. The ensemble comes in oxford, black and white with varicolored stripes.

Striped and Solid Sets

"Coronet" combines an acetate taffeta-lined sheath skirt and jacket. The jacket is designed in horizontal variegated stripes with a soft collar and three-quarter



Loosely-fitting "Elysee" top by Cortina has a striped front panel and square neckline framed by a roll collar. Its slim skirt is in the major sweater color.

sleeves. The stripes achieve an ombred effect, in which the light-colored yoke lapel shades to a

dark bottom with white stripes. A black skirt comes with black and vicuna striped top; oxford with clay and oxford stripes; cypress with lime and cypress stripes; and driftwood skirt with cooper and driftwood stripes. White occurs in all combinations.

In "Casino" a solid colored sheath skirt teams with a jacket featuring convertible collar, pearl buttons and cuffed three-quarter sleeves. One-inch stripes band the hems of the jackets. The oxford skirt teams with an oxford and pecan jacket; driftwood with driftwood and black; Regency blue with blue and oxford.

"Trianon" mates a lined sheath skirt with a solid colored jacket highlighted by striped trim on the notched collar, down the front and around the sleeves.

Austin-Joel Coordinating Sweaters With Skirts

The firm of Austin-Joel Casuals has been formed by Austin Knitting Mills, Inc., and Joel Sportswear at 1410 Broadway, New York City.

The new company is con-



Ombre stripes circle the easy lines of "Coronet," a jacket and skirt duo from Cortina Knits. The jacket has a soft notched collar and three-quarter sleeves.

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Haymaker Offers Transitional Knits

With the exception of a single and striking wool jersey costume, Haymaker Sports, Inc., is centering its transitional knitwear collection around cotton. Sharkskin, district and box checks and stripes are used. The favored wholesale price point is \$12.75.

Two costumes, the wool jersey and a cotton sharkskin, are particularly eye catching. The former, notable in red, combines a sleeveless jumper and a raglan-sleeved fingertip tunic which may be worn with a belt or not. Other colors are black, camel and green.

The cotton ensemble, wholesaling at \$22.75, tops the sleeveless boat neck jumper-dress with a patch pocket coat. The slim coat has below elbow sleeves, side slits and a round neck. Light and dark gray share honors here.

Haymaker uses a district check for a two-piece suit, the jacket of which is short and boxy. Two large buttons and an away-from-the-throat collar complete it. The same check



Right, two-piece British wool suit illustrates straight and easy cardigan look achieved on hand-operated machinery. Left, versatile coat-dress from Britain is shown belted to represent the second facet of its split personality.



patterns a collarless coat dress with below elbow sleeves, round neck, black belt and large buttons.

The big button theme gets consistent attention, as a pair in a sheath with self-belt and black bound Pilgrim collar; and offsetting the pointed collar of a gray and gray box checked sheath.

Dual Purpose Knit Coat Doubles As Belted Dress

LONDON, England—A coat that can double as a dress is the idea behind a knitwear style by Exquisite Knitwear, Ltd., which has aroused fashion interest here. The garment is a full-fashioned creation, knitted on a hand-operated flat machine.

It can be worn as a light summer coat, with its bold metal buttons fastened down the front, or with a belt as a smart yet warm dress for the cooler spring and early summer evenings. The pastel colored all-wool fabric has been Dylan finished for shrink-resistance. Inset sleeves are full length.

Another full-fashioned style from the same company is a suit which reflects the cardigan influence in the loose, button-front lines of its jacket. Easy-fitting lines and casual revered V-necks underscore both coat-dress and suit.

White Stag Develops Separate Teen Line

PORTLAND, Ore. — The White Stag Manufacturing Company's line of teen sportswear, begun two years ago, is acquiring a new name and in the future will be regarded as a special division with a styling entirely its own. Formerly promoted as the White Stag "616" line, it will in the future be called "West House" and sized from five to 15.

The change is being effected to avoid confusion with other White Stag girls' wear lines.

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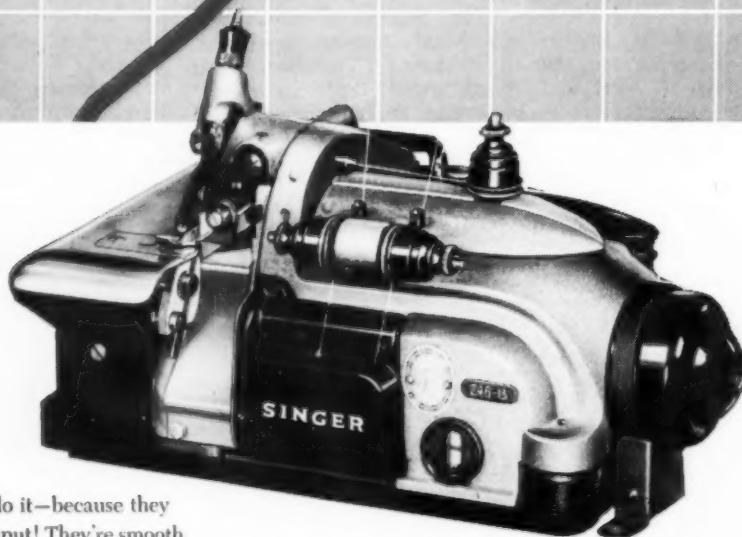
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Ladies' And Misses'**Knitwear Paces Mid-Summer Selling At Coast Mart**

SAN FRANCISCO, Calif.—Knits made a surprisingly good sales record for this time of year at the mid-summer market week staged by the West Coast Salesmen's Association on March 27-30 at the Sheraton-Palace Hotel. Sweaters and knit dresses were in demand; swim suit lines enjoyed some fill-in and reorder business.

Audrey Martin, the association's secretary, reported that 1350 buyers from 875 firms attended the showing, a 20 percent increase over last year. The mid-season show is a new innovation with the group, held for the first time last year.

"It was," Miss Martin stated, "a very good show with active buying."

In every sweater line handling them, the leading number was a tuxedo style, some in a longer length than has been popular during recent years.

Orlon Tuxedo Style

At Redwood City Knitting Mills a shawl-type Orlon tuxedo was the top seller, according to representative Ben Rothenberg. It has three-quarter push up sleeves, and banding around the outer edge and on the cuffs. Re-

tailoring at \$11.95, it is offered in small, medium, large, and extra large. White, black aqua, beige and loden green are popular colors. Business, Mr. Rothenberg stated, was "excellent," ahead of last year by at least 20 percent. He estimated sales at the market to be about 10 percent over those of a year ago.

The so-called "monster coat" continues to be a leading number at Zado of California, according to representative Evan Goldenberg. Wide varied colored stripes give it a gay and carefree look. Interpreted in Orlon, in sizes small, medium, and large, the style retails for \$10.95. Leading combinations are red and black and gray, white and black. A running number, the style has been heavily endorsed by buyers ever since it was in-

troduced three years ago.

A popular new number by Bams Knits is a long line coat sweater of Spungee Orlon in a popcorn stitch. It has three-quarter sleeves and is banded and braided around the wide collar and the bottom; sizes are 36 to 46. Dave Solomon, sales manager, reported that business at Bams Knits is some 15 to 20 percent ahead of a year ago. The firm expects to do its usual brisk Mother's Day trade. Orlon, Mr. Solomon stated, has been very big this year and is being used in many of Bam's popular jacket sweaters.


Sales Up 50%

At Select Sweaters, Bert Urbach said that his market sales were about 50 percent above last year. Buyers were commenting favorably, he indicated, on the manner in which the firm was using Orlon 21. This fiber had been selling well, as have fur blends and brushed mohair. A top number is a long line coun-

try jacket, about waist length, in bulky wool. It is sized 38 to 44 and retails at \$15.95. Most popular colors are the basic rather than fashion shades: white, red, beige, black, with slate blue and charcoal coming in for some attention. A running number which has been in the line for three years and is still a favorite is a bulky wool tuxedo coat with a wing collar in sizes 34 to 40.

High-fashion decorated sweaters at luxury prices were being shown by Don de La Valliere of Corienne. Cashmeres are being used extensively with fur and jewel trims. An outstanding number is a reverse sweater which can be worn with its low scoop neck either in front or back. It is trimmed in white mink and jewelry. For lounge wear, Corienne is offering a cashmere cardigan with a velvet collar trimmed with braid and beading. The outfit is completed by cut velvet Capri pants braid-

(Continued on Page 39)



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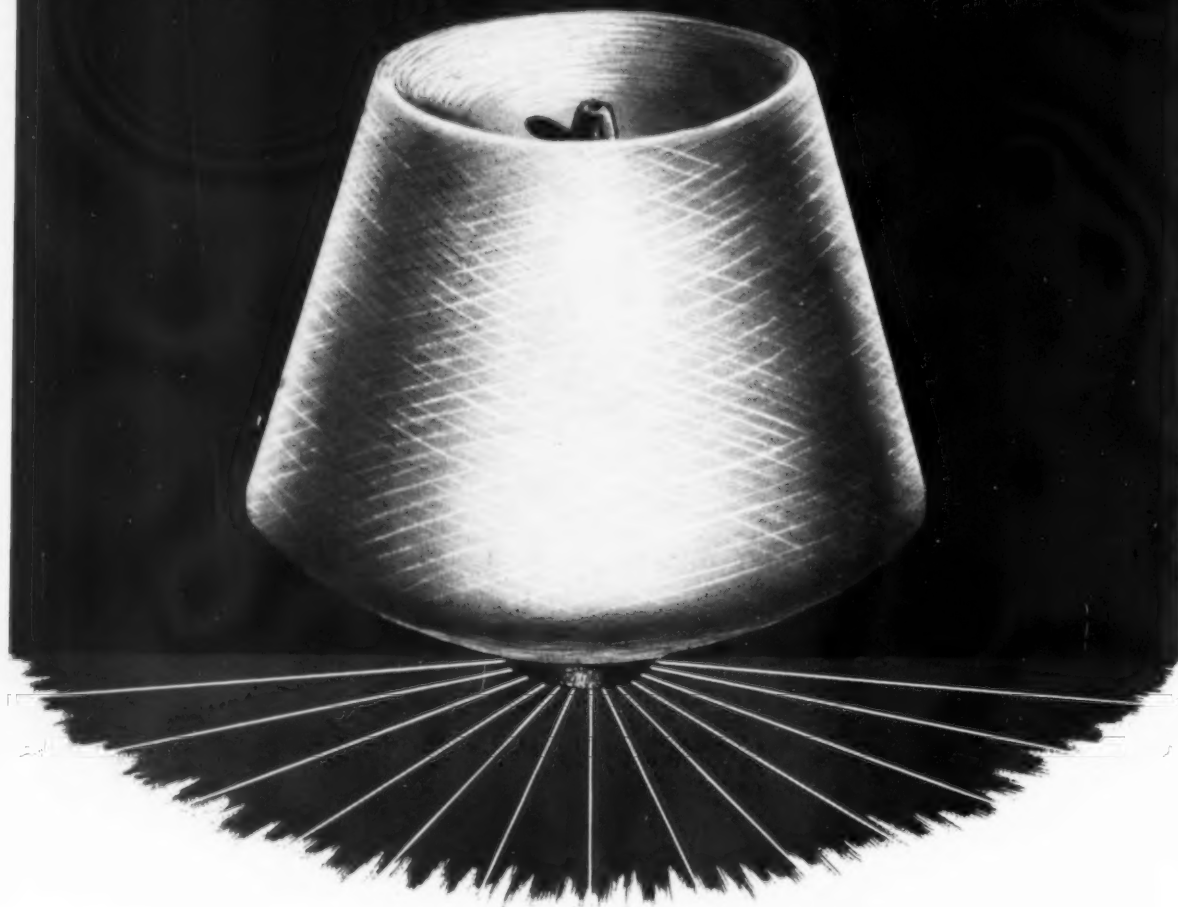
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ed down the side. The costume retails at \$129.95.

At Kimberly Knitwear, Bill Scatena expressed happy amazement at the volume of business. It was, he said, "tremendous for this time of year" with wool knits in considerable demand for spring and early summer delivery. Last year, he reported, spring and summer sales of knit items, particularly wools, followed the expected pattern and were almost non-existent.

Most popular number include two similarly styled three-piece outfits in the Chanel mood and a two-piece mohair dress. The latter is designed with a straight skirt and a classic cardigan top, a leather belt at the waistline. It sells for \$69.95 in the stores in sizes 8 to 18. The best colors are red, perrywinkle and teal blue.

Dresses from Snyder Brothers Knitting Mills in a blend of linen and an acrylic fiber accounted for sales, Lionel Traube, Jr., said. The firm offers three new styles in the linen boucle group. A short-sleeved belted sheath with a small rolled collar, three wooden buttons and yoke detailing is in demand at \$45, retail. A slim line coat dress with 10 big pearl buttons, a collared V neck and three-quarter sleeves is popular at \$49, retail. A similar style with fagoting and short sleeves is being endorsed at \$45.00.

An Orlon costume consisting of a sheath and collarless cardigan, both trimmed in a butterfly motif is a favorite at \$89.95. Business, Mr. Traube reported, was very good for March when

the demand for knits usually falls off because of the warm weather to come. Linen, in particular, was popular.

Milt Bronson, of Maurice Handler, said that the firm's "tab knit" suit of Orlon and acetate continues to lead all swimwear styles. Even at this late date it is providing him with many reorders. A low-backed maillot, it has corded self-trim at the waistline highlighted with two buttons, a style detailing which spotlights the waistline and provides for sleek and flattering fit. It retails at \$15.95 in sizes seven to 15.

Equipment Firms

Union Special Appoints Detweiler Representative

CHICAGO, Ill. — Edwin Detweiler has been appointed a sales representative for Union Special Machine Company, this city. He will cover Philadelphia.

Before joining Union Special in 1959, Mr. Detweiler was a knitting mill mechanic for seven years and a sewing machine mechanic and technical sales representative for 12 years.

Fletcher To Show New Units At ATMA Exhibit

PHILADELPHIA, Pa. — Fletcher Industries, Statesville, N. C., and its associated companies, The Fletcher Works, Philadelphia, and Fletcher Southern, Southern Pines, N. C., will present six new models of Fletcher machines at the American Textile Machinery Exhibition in Atlantic City, N. J.

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Mill News**Regal Holds '60 Sales Conference**

Regal Knitwear Co., Inc., convened its two-day 1960 sales meeting on April 8 at the Hotel Lexington, New York City.

The meeting was opened at 5 P.M. by Julius Israel, president of the company, who welcomed the staff, including 45 national salesmen, and turned the conclave over to Charles Israel, vice president and sales manager of the firm.

Howard Silver, divisional merchandise manager of Gimbel's, Philadelphia, addressed the meeting on "Sales Approach as the Retailer Sees It."

On Saturday morning the group heard a talk by Pat Di Serna, merchandising editor of American Girl Magazine, on "Sub-Teen Market, its Growing Influences and its Growing Sales." The entire Regal fall collection was shown, highlighted by a fashion show of the new sub-teen and teen collections.

David Stoller, of Altman

Stoller, spoke to the sales staff about "The Value of a Brand Name" and "Regal's Red Carpet." Vivian Auerbach, in charge of the advertising and promotional campaign, outlined fall plans.

The wind-up address at the meeting was made by Charles Israel, who discussed factors helpful in making the firm's salesmen successful in increasing their sales and fully exploiting the potential of their territories.

He pointed out the importance of developing an efficient work schedule which customers can depend upon.

Vargish Knitwear Leases New Warehouse Facility

UNION CITY, N. J. — Vargish Knitwear Co., here, has leased a new 20,000 square-foot building in Secaucus, N. J. to handle increased volume in the Vargeo men's operation and the Vargish Knitwear women's line.

The warehousing of finished merchandise and general offices will be maintained in the Secaucus facility. The Union City and Puerto Rico plants will continue to maintain their functions.

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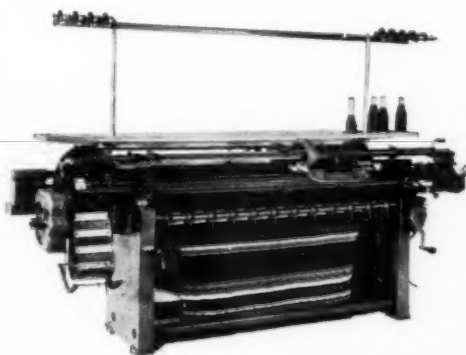
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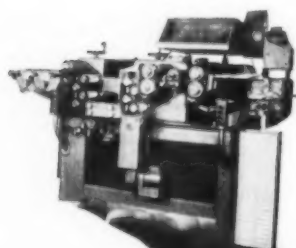
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Mill News

Rockford Textile Cited For Safety Improvement

McMINNVILLE, Tenn. — Rockford Textile Mills, Inc., manufacturers of the Magic Fleece line of sports and casual socks, here, was lauded for its outstanding safety improvements made over a three-year period.

In ceremonies the week of March 30, Lynwood Smith, Rockford president, and James Embry, plant operations manager, accepted a certificate of merit from James Griffith, of Queens Insurance Company.

Jantzen Expands Facility Adds New Building

PORTLAND, Ore.—Jantzen, Inc., will have a two-story addition to its administration building here. The new quarters will occupy property to the south of the present building. Included in the planning is a small testing pool, which will be located near the style development department.

Pringle Of Scotland To Be Public Company

GLASGOW, Scotland (Scottish Amalgamated Trade News Agency) — Pringle of Scotland, Ltd., of Hawick has decided to become a public company. Half a million ordinary shares will be offered shortly to the general public. This decision has been taken to allow easier conversion of shareholding, improved efficiency, and the easier raising of capital with which to finance further development.

Pringle is one of the oldest Scottish knitwear houses, having been founded in 1815. It has expanded output 10 times since

1945 and sells about 3/5 of its total production, which is largely outerwear, in the export markets. North America is a most important outlet.

The company has undertaken aggressive marketing in these areas and operates its own selling organizations. The firm employs 1,300 workers and is one of the largest in the country. The main plant at Hawick has been largely rebuilt since 1948.

Obituaries

Philip Isaacson, At 46; Partner In Fashion Art

Philip Isaacson, president of Fashion Art Corp., Brooklyn, passed away suddenly of a heart attack on April 10. He was 46. Funeral services were held on April 11. Burial was at New Montefiore Cemetery, Queens.

Mr. Isaacson was active in the knitwear industry for the past 20 years, the last three in partnership with Morris Lipsky in Fashion Art.

Surviving him are: his wife, Lillian; his parents, Mr. and Mrs. Sam Isaacson; and his daughter, Diane.

J. S. Hubbard, Manager For Scott & Williams

SOUTHINGTON, Conn. — Joseph S. Hubbard, manager of the Reading Pa., sales office of Scott & Williams, Inc., died at the Southington Hospital after a short illness. He was 67.






Funeral services were held on April 7 and burial followed, in this city.

Mr. Hubbard, with Scott & Williams for 38 years, had held the managerial post for the past 14 years. He was a member of the Scott & Williams Quarter Century Club.



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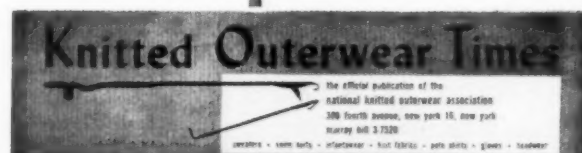
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Yarn Suppliers

New Federal Operation Begins

SANFORD, N. C.—Production has begun at Federal Spinning Corporation's new, from the ground up, \$1 million long fiber knitting yarn plant here, and full scale operations are scheduled to begin mid-May, it was announced by Bennett M. Berman, president of the new company and of its parent concern, Federal Yarn Corporation, New York City.

The plant is already 50 to 75 percent operational and employment is approaching the expected 125 total. Employees are being trained on the latest, most advanced worsted system preparatory equipment, roving and Arrow long fiber spinning frames which are being installed by Roberts Company, machinery manufacturer of Sanford.

Yarn has been checked out with exceptional quality results, according to Mr. Berman, and shipments are being made to a number of knitters.

When the facility is fully

operational in mid-May, it will rank by virtue of plant construction, floor layout and machinery as one of the most modern plants in the United States for the manufacture of knitting yarns, he said.

Long Fiber Synthetics

Principal product at Federal Spinning will be knitting yarns of Orlon 42 and Sayelle and other long fiber synthetics plus blends with wool and all worsteds. Yearly output is expected to be 2 to 2.5 million pounds a year, or only a very small portion of the yearly sales capacity of Federal Yarn Corporation in New York, and only about three to five percent of present industry-wide capacity.

Entire mill output will be of premium quality yarns, based on the very latest production techniques set up on the Roberts Short-Flo system of worsted yarn manufacture. All machinery is new and of latest high production type.

A model of clean design and construction, embodying the latest straight line production flow technique and glazed tile interior walls, the windowless

brick structure is located on a site permitting sufficient room for expansion and parking.

Total initial floor space is 55,000 square feet, of which 5,000 square feet is for storage, and 5,000 for offices, employee's locker rooms, supply rooms and cafeteria.

Rigid humidity and air conditioning controls, plus a modern laboratory for yarn testing, research and quality control assure production of high quality yarns, Berman noted. All but the storage area is air conditioned, and a complete sprinkler system has been installed to pro-

tect against fire.

Sole selling agents for Federal Spinning Corporation are as follows:

Bennett M. Berman Associates, New York City, principals of which are Bennett M. Berman, Robert S. Gibson, and Herbert Schwartz.

In Philadelphia, Frank J. Morrissey, Ardmore, Pa.; in New England and Cleveland, Moher Associates, Wellesley Hills, Mass., principals, Arthur J. Moher, Sr. and Arthur K. Moher, Jr.; in the south, W. Herbert Smith, W. Herbert Smith Co., Clover, S. C.

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Yarn Suppliers

Indian Head Buys Bernard Ulmann

An agreement for the purchase by Indian Head Mills, Inc., of certain operating assets of Bernhard Ulmann Co., Inc. and its operating subsidiaries has been announced by Henry Engel, Ulmann president and James E. Robison, Indian Head president.

The purchase will be for cash and the transaction involves about \$4,400,000. The sale is subject to approval by stockholders of Bernhard Ulmann and a special meeting has been called for April 29 for this purpose.

Bernhard Ulmann, founded in 1867, is a manufacturer and importer of hand knitting yarns, art needlework products and decorative linens. Its products are sold under the Fleisher, Bear Brand, Botany, Ever Match and Bucilla trade names.

The company operates a worsted spinning mill in Lowell, Mass., and maintains warehouses in Los Angeles, Calif., and Long Island City, N. Y.,

where its executive offices are also located.

Mr. Robison stated that Bernhard Ulmann will be operated as a division of Indian Head Mills with no change in management or operating personnel.

P. S. Howe Honored For Textile Industry Service

P. S. Howe, board chairman of The American Thread Company, was honored on April 12, his 65th birthday, for long distinguished service to the textile industry. Over 100 industry leaders gathered at a Merchants Club banquet in New York to pay him tribute.

Mr. Howe held his initial textile sales post with Wellington Sears from 1925 to 1932 and subsequently worked at Suncock Mills and Industrial Rayon before joining American Thread in 1937 as vice president and director. He became executive vice president in 1939 and president in 1941.

His other industry activities include heading the Textile Research Institute for two years, serving as a director of The Thread Institute for 19 years.

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Fibers

Wool Fiber Consumption In February Above 1959

WASHINGTON, D. C. — The weekly average rate of fiber consumption on the woolen and worsted systems in February was approximately equal to the January rate and one per cent above the February 1959 level, the Commerce Department reported.

The weekly average raw wool consumption during February was 8,858,000 pounds, scoured basis, or four per cent below the January level and two per cent above the February 1959 rate.

Consumption of apparel class wool was one per cent below the January rate and one per cent above that of last February.

Consumption of fibers other than raw wool averaged 6,918,000 pounds per week or five per cent above the January average and one per cent above February of 1959.

4 Assume New Celanese Fabric Managerial Posts

Four new managerial posts have been created in the fabric merchandising department of Celanese Fibers Company, it was announced by Louis Laun, general merchandising manager. Appointees will assist H. W. Vervoort, department director, with new responsibilities resulting from the department's expanding operations.

Newly named are: Harold M. Kennard, merchandising manager for apparel fabrics, Sidney Halpern, merchandising manager for home furnishing fabrics; Louis S. Lauck and Richard S. Carruba, who will assist Mr. Kennard as merchandising

managers for women's and men's wear, respectively.

Mr. Kennard joined Celanese in 1937 and most recently was assistant director of fabric merchandising. Mr. Halpern, who joined Celanese in 1941, was made a senior merchandising representative in 1957. With the company since 1935, Mr. Lauck was most recently an executive account representative.

Ryan In Cyanamid Post As New York Manager

James E. Ryan has been named to the newly created post of district manager of New York sales for the fibers division of American Cyanamid Company, it was announced by Erwin G. Walker, division sales manager.

DMC Offers New Gold, Silver Metallic Threads

A new metallic thread for hand and machine embroidery on sweaters is available from DMC, New York City, in gold and silver. It is packaged on plastic spools containing 65 yards. According to the company, the thread will not fuzz, tarnish or fray.

FTC Rescinds Rules For Silk, Rayon And Acetate

WASHINGTON, D. C. — The Federal Trade Commission on April 6 announced the rescission of the Trade Practice Rules for the silk, linen, rayon and acetate textile industries.

The FTC issued an "Administration Interpretation Relating to Identification of Metallically Weighted Silk Fiber" to supplement the requirements of the Textile Fiber Products Identification Act, which became effective March 3.

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Yarn Processing

Roberts Adds Yarn Equipment

SANFORD, N. C. — The Roberts Company, producers of Arrow yarn spinning equipment, has added preparatory worsted system equipment to its line. The new machines are para-drafters, autoeveners, and parablenders. These units will be sold under the name Roberts-Tematex, it is announced by Robert E. Pomeranz, president of the company.

The three machines are used in yarn spinning mills as well as in combing and top making plants for parallelizing, drafting and blending worsted and other long fibers in operations that precede roving and spinning of yarn. A revolutionary aspect is the control of the delivered output sliver weight to within plus or minus 1 percent.

Roberts-Tematex equipment is manufactured in Italy in a plant affiliated with Roberts Company through joint license and research facilities. They are supplied with electrical motors and accessories made in the

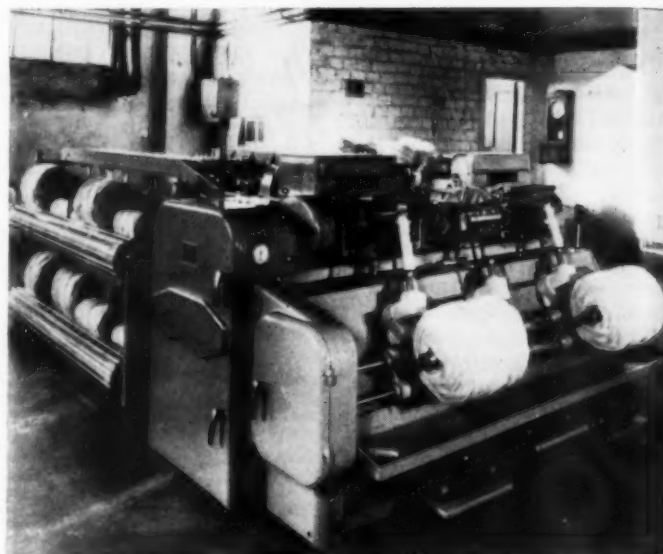
United States. Roberts is presently gearing to later make certain component portions of the machines in its own plants here in Sanford.

These machines have already been in production by the Tematex Company in Milan more than three years, and over 300 are in operation in plants throughout the world. Those to be sold under the Roberts-Tematex name are the latest models, specifically adapted for American production requirements.

First public showing of the Roberts-Tematex line will be at the American Textile Machinery Exhibition International in Atlantic City this May.

The three new machines bring to eight the number of complete machines for spinning and preparatory processes now offered by Roberts, and represent the sixth addition in the past two years.

The para-drafter parallelizes and drafts the fibers and can be combined with the autoevener which performs these operations as well as automatically evening the weight of the delivered sliver through electronic and mechanical means to within plus or



The parablender with individual ball delivery, above, is one of three new worsted preparatory machines offered by Roberts Company, Sanford, N. C., under the Roberts-Tematex name. The others are the para-drafter and the autoevener. The units are used in operations prior to yarn spinning to parallelize, draft and blend long fibers.

minus one percent.

Parablenders also parallelize and draft but in combination with a blending operation that provides many doubling and sandwich blends the fibers.

The three machines feature

hydraulic weighting of the delivery rolls, hydraulic lifting of the head for faller bar inspection and replacement, complete electronically controlled stop motions with indicator lights

(Continued on Next Page)

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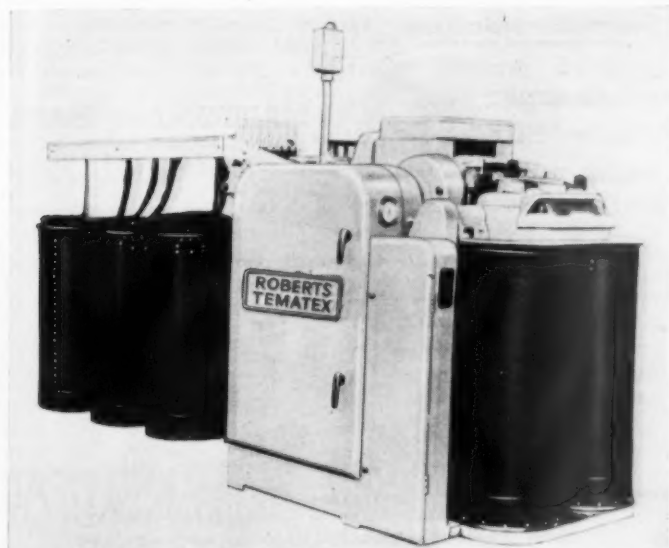
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BRANT YARNS, INC.
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The Roberts-Tematex paradrafter is arranged for can feed and dual delivery. It and the firm's other two new units are said to have delivered output of sliver weight automatically controlled to within plus or minus one percent and to feature electronically controlled stop motions with indicator lights.

that signal the location of the stoppage, extra large ball or cam delivery, and remarkably simple changing of draft and pressures. Safe static eliminators are provided.

The paradrafter with autoelevator is a single head machine with wide eight-inch pin strips and faller bars, 88 fallers per head at .354 inch pitch, permitting entering slivers of up to 3500 grains per yard and faller drops of 1200 per minute. Drafts range from 5 to 15, and delivery is up to 270 pounds per hour net production.

The creel accepts up to 12 cans or balls or any combination, and delivery can be to cans of up to 24 x 48 inches or to balls of up to 24 inch diameter and 18 inch width weighing 26 pounds.

The paradrafter can also be supplied without the autoelevator in either single, bicoil, dual or quad delivery.

The autoelevator, sold only in combination with the single head paradrafter, automatically and instantaneously corrects entering sliver weight within plus or minus 20 percent and delivered output sliver weight to within plus or minus one percent. It corrects for both long and short term variations whereas other leveling devices correct only for long term variations. It features mechanical and electrical operation of the measuring, delay and variation units.

Roberts-Tematex parablend-

ers, of extremely rugged construction, feature melange blending of a high number of slivers and a net production of 400 to 500 pounds per hour.

They combine two paradrafter heads and individual ball delivery to each head permit the machines to be used as two parallel paradrasters. They incorporate an arrangement for combining and sandwich blending both slivers being fed to the heads onto a center ball delivery. The center ball receives pressure spray oiling.

Principles Of Work Motion Economy

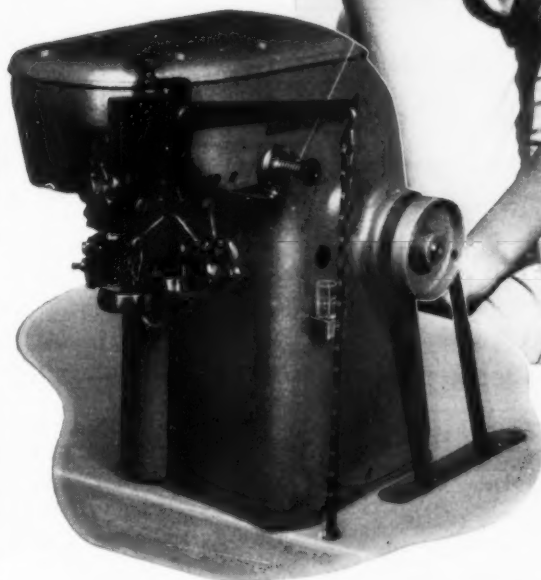
(Continued from Page 7)

Finally, the use of both arms simultaneously or at least symmetrically (as in the swinging arms in walking) should be designed into the job. An illustration here is the flat sewing on a double needle machine of parts both from a stack on the left and from a stack on the right. Another example is in the use of tandem, semi-automatic machines such as lockstitch buttonholers in which first one semi-automatic machine is fed and then the other.

Motion economy principles do warrant constant review, especially as they apply to the ever-changing apparel manufacturing jobs. Question their use, yes question their very bases and you almost certainly can find wasted effort and divert it to useful activities.

THE RIGHT MACHINE FOR THE JOB!

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STYLE 41300X

Top quality seaming at high rates of production is THE BIG ADVANTAGE offered by Union Special's new Style 41300 X sweater machine! Designed and built especially for seaming or closing light and medium weight full-fashioned sweaters, this single thread, cup feed seamer eliminates the tedious, time-consuming handling required with looping machines or flat bed sewing machines. Style 41300 X gives you everything you want for the job: smooth, flat seams, perfect stitch structure, every handling convenience, high speed operation. Let us give you complete information. UNION SPECIAL MACHINE CO., 405 N. Franklin Street, Chicago 10, Illinois.

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FINER yarns FROM FITCHBURG

blended according to your specifications

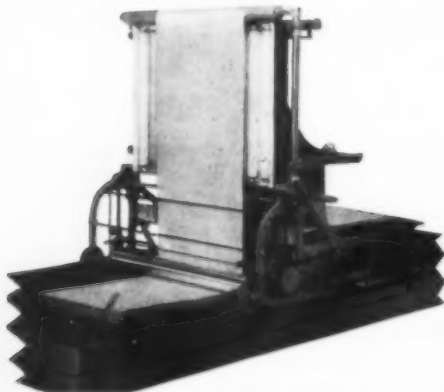


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Mother's Day, Sunday, May 8th

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Father's Day, Sunday, June 19th

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GIVE HIM A SWEATER FOR HIS HOLIDAY

Attractive Foundation window strip for Father's Day.

TIE-UPS with three important upcoming red letter days are announced by the Knitted Outerwear Foundation. The NKO's promotional officials has mailed to stores across the country window strips suggesting purchase of sweaters and other knitwear as gifts during Baby Week, Mother's Day and Father's Day. The strips, shown above, play up the warm qualities of the occasions and emphasize how fitting knits are as gifts for loved ones.

Trade Activity

Cleveland Mills Expect Excellent Sweater Volume

CLEVELAND, Ohio — The year is off to a slow start, primarily because of adverse weather, but the overall outlook is for an "excellent '60."

That's the consensus of knitters in the Cleveland area who report sales from the road "are good" with the "sweater season ahead" one that should see "a healthy fall and winter retail sale."

Adverse weather and a very, very slow spring season, however, might put a crimp in overall volume sales, but there still is a chance that "even with a late spring, we'll go ahead and report '60 as better than '59."

Manufacturers underscore their optimism with road returns

showing significant demands for fall lines, particularly in fur blends, brushed mohair and bulky Ortons. There is a resurgence in wool since "wool prices in the past months have been low enough to be competitive with the synthetics, but with wool prices moving up again, wool may again price itself out of the popular market."

Weather Hampers

Most retailers in the Greater Cleveland area have been blaming the unusually severe weather as hampering normal spring sales particularly in sweaters.

"Summer may be here before we have a chance to move spring goods in the manner in which we are accustomed" is the desperate stand many buyers are taking.

Some movement, though, has been noticed in men's lines. Sterling Lindner recently moved a heavy sweater turnover, at

(Continued on Next Page)

\$5.88, featuring bulkies of the leisure, suburban look." Boat necks and shawl collars, particularly in blends, were good.

B. R. Baker highlighted a 100 percent Orlon number with contrasting trim at under \$11 in a promotional offering. Other shops spotted "Tycora for leisure luxury" at under \$11.

Many stores are hopeful that an early spring will mean a sharp step up in shirt sales, particularly if golfers are able to get going. May's, for example, has been promoting shirts from the MacGregor line, ranging from \$5 to \$7; other stores featured monogrammed Ban-Lon models at around \$9.

Phila. Mill Expect Late Depth Ordering

(Continued from Page 13)

ting Mills likewise reported strong demand for better priced goods. This source noted bookings well ahead of last year. He reported that reorder business indicates there is still some uncertainty prevalent among outlets as to where the big consumer demand in neckline styling is going to fall. Good response to the high-V and shawl collars indicates that both will be big.

Harold L. Neuman, head of Robert Bruce, Inc., reported very good reaction to his firm's fall sweater line now being shown to the retail trade. The Robert Bruce line primarily features bulky boat necks, shawl collar pullovers and cardigans and V-neck pullovers. Solid colors with contrasting trim and jacquard patterns, many with lofty brushed finishes, are shown. The line also includes a selection of flat knit pullovers and vests for men, boys and juveniles.

At Somerset Knitting Mills, Albert Kraftsow, head of the firm, reported business well ahead of last year. This firm also is concentrating on producing bulky knits. Shawl collars and high-V pullovers are drawing the best response, Mr. Kraftsow noted.

Avisco Issues Dividend

PHILADELPHIA, Pa. — Directors of American Viscose Corp., on April 6th declared a dividend of 50 cents a share on common stock payable May 2nd to stockholders of record April 19th.

Dyes & Chemicals

Dow Corning Develops New Textile Softener

MIDLAND, Mich.—A new textile softener primarily designed for wash-and-wear fabrics, but useful wherever a lubricant is needed, has been developed by Dow Corning Corp. The new finish, Syl-soft 14, is a silicone-based emulsion compatible with a wide variety of finishing agents.

Chemically, the new finishing agent is a stable milky white water dilutable emulsion of reactive silicone fluids. Only a small amount is needed to improve hand, tear strength and sewability of most fabrics, the company states. A pick-up of 1-2 per cent as supplied is usually sufficient for most applications.

Syl-soft 14 is recommended for resin finishing of cottons. The emulsion is nonionic and can be used with most resin finishing formulations. Syl-soft 14 requires no additional curing. This silicone will cure at the same temperatures required to cure organic finishing agents and is not removed during after-washing or other treatments normally given resin finished goods.

The finish is added to the resin formulation after the resins are dissolved and the solution cooled to below 120 degrees F. The company recommends that any resin catalyst required should be added last. Syl-soft can be used on man-made fibers and blends, as well as on wool and worsted.

Jefferson Names Kuehn European Representative

HOUSTON, Tex.—The appointment of Ernst G. Kuehn as European representative for Jefferson Chemical Company, Inc., here, was announced by Ralph E. Werley, Jr., sales manager.

He had been in foreign marketing operations for the agricultural and fine chemicals division of American Cyanamid Company since 1953. Before that, Mr. Kuehn held executive posts with the export division of Heyden Chemical Corp., as well as other positions in the field of international sales and commerce.

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fabrics and garments —
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Fully Automatic!

Now — with BENTLEY-COTTON new Model UO/AE for knitting full fashioned outerwear, you can achieve a wholly new market position. Knit outerwear which is the utmost in exclusive styling and quality — with your price structure fully protected by production economies due to speed, automaticity and versatility. Ask us about unprecedented exclusive features.

Don't Compromise . . . Don't Improvise
Don't Apologize . . .
Knit It On A Bentley!



Send for operating details of Model UO/AE. This new machine offers all features of famous Bentley-Cotton Model UO/D, now fully automated.

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THE Bentley KNITTING MACHINERY ORGANIZATION, INC.

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Southern Office: P. O. Box 1887, Liberty Life Building, Charlotte 1, N. C.
In Canada: W. J. Westaway Company, Ltd., Hamilton, Ontario.

Dyes & Chemicals

AATCC To Hear Vat Dyeing Talk

Continuous molten metal vat dyeing processes will be discussed at the next meeting of the Metropolitan Section of the American Association of Textile Chemists and Colorists on April 22 at Kohler's Swiss Chalet.

Arthur Ogden, director of Standfast Dyers & Printers, Ltd., Lancaster, England, will present a paper entitled "Development of the Standfast Patent Continuous Molten Metal Vat Dyeing Processes."

The processes use a low temperature melting alloy contained in a U shaped vessel as a heat transfer and pressure medium in the dyeing of textile fibers. One of two systems is employed depending on the construction of the fabric.

In the first system cold leuco dye liquor is fed through a heat exchanger to the small capacity dyebath floating on the molten metal. Dye liquor and alloy temperatures, dye level and feed are automatically controlled.

The second system, for denser types of fabric, employs a padding mangle which is interposed before the molten metal unit. The fabric is fed over preheating cylinders to the padding mangle picking up approximately 70 percent of pigment dye liquor and passing forward to the reducing liquor bath floating on the metal surface. In its passage through the molten alloy a further 70 percent or so of reducing liquid is retained by the fabric.

Dyeing takes place in the passage through the alloy and in both systems the fabric emerges from the metal bath through a floating Glauber's salt bath and is oxidized and washed in a conventional open soaper. Dye formulas are predetermined on a miniature machine, thus making possible the forward organization of dyeing production.

Nylon Knit Goods Forms New Finishing Subsidiary

Nylon Knit Goods Finishing Corp. has been established as a wholly owned subsidiary of Nylon Knit Goods Processing Co.,

with a new plant adjacent to the piece dyeing operation of the parent company in Brooklyn.

The new firm will provide napping and shearing services on all types of synthetic fabrics and garments. William Tannenbaum and Robert Landensberg are the principal officers of Nylon.

Houghton Opens Plant In South San Francisco

SAN FRANCISCO, Calif.—E. F. Houghton & Co., has opened a new plant at 54 Tanager Avenue, South San Francisco, to handle increasing West Coast business. Industrial oils and chemicals formerly manufactured at 1500 Davidson Avenue in San Francisco are being supplied from the new facility.

Equipment newly installed includes provision for sulphonation, saponification, compounding, esterification and condensation reactions. Capacity has been increased more than 50 per cent over the former plant.

The new plant is located on a three-acre plot and includes 30,000 square feet of manufacturing space, a new office building, control laboratory and 10,000 square feet of outdoor storage area.

Knit Yardgoods

Foam Laminators Form Association

Four companies dealing in the heat fusing of urethane foam to knitted and woven fabrics and plastic have organized their discussion meetings into an association.

The group, the Foam Laminators Association, was formed after recent preliminary meetings at the Hotel Governor Clinton, New York City. Member firms are: Reeves Brothers, represented by F. Lesser; Allied Polymer; A. Phillips; Textifoam, M. Rudolph; and Precision Processing, H. Howard.

The association plans to promote the uses of this new process, advance quality standards and to educate mills, converters and manufacturers regarding the uses of the products.

At its meeting the group agreed on such quality standard
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specifications as a five percent measuring tolerance on shipped yardage from the lamination of knits and a three percent tolerance on woven fabrics. A three percent working loss was specified on all fabrics handled when in a production run of greater than 500 yards. Less than 500 yards is to be considered a sample run, on which working losses cannot be estimated.

In regards to knitted fabrics, goods of 44/46 inches will be delivered 42/44 inches, of 48/50 inches, 46/48 inches, 52/54 inches, 50/52 inches and 54/56 inches, 52/54 inches.

The group felt that fabric finishes using silicone and wax emulsion base materials were not advisable for laminated fabrics since they are release agents and can cause separations. It was pointed out that some fabrics having a silicone finish laminate better than others but must be tested separately due to the variance in application by dye lot.

The association will next meet early in May.

2 Vycron Blend Fabrics Available From Beaunit

Beaunit Mills, Inc., has introduced two new knit fabrics featuring 50 percent Vycron. In one instance the polyester fiber blends with cotton, in the other with an acrylic fiber.

Beaunit offers the yardgoods for end-use in men's and women's fall sportswear lines. It is said to offer a supple, pliant hand, luxurious draping qualities and deep, rich tones of outstanding fastness to sunlight and laundering.

A strong Vycron promotional program is being launched by Beaunit and will include a comprehensive advertising campaign, point-of-sale aids, contests and prizes and display material. Color cards are being prepared to illustrate selected colors in each of the new fabrics.

Factoring

Talcott Receivables, Net Income At High In '60

The volume of receivables acquired by James Talcott, Inc., and the company's net income, rose to a first quarter high dur-

ing the first three months of 1960, Herbert R. Silverman, president, told stockholders at the annual meeting on April 6 in the Fifth Avenue Hotel, New York City.

The firm had previously reported the highest net income in its history during 1959, when total receivable volume amounted to more than \$1,000,000,000.

Mr. Silverman told stockholders that final figures for the first quarter should show that net income rose to approximately \$1,000,000, or more than 90 cents per share, an increase of about 24 percent over the final quarter of 1959, when net income amounted to \$825,186, or 75 cents per share. In the first quarter of 1959, net income was \$679,814, equal to 67 cents per share.

Some 30 executives of James Talcott, Inc., attended the company's two-day senior management conference on April 9 and 10 at Gould House, Ardsley, N. Y.

Imports

ACMI Asks Congress To Set Fair Trade Policy

BAL HARBOUR, Fla. — James A. Chapman, president of the American Cotton Manufacturers Institute on April 7 called for Congressional action to establish "a realistic trade policy founded on fairness and equity."

Mr. Chapman, Inman, S. C., textile executive, placed the issue before Congress in his message to the general membership of the Institute, which opened its 11th annual meeting here.

Congressional action is needed, Mr. Chapman declared, because present administration of foreign trade policy "shows that no industry in America is safe from damage by foreign goods" which have access to American markets under cost conditions which "discriminate against American manufacturers."

This same attitude has been pursued for at least 15 years . . . During this time, the concept of our Trade Agreements as a 'reciprocal' measure—the concept advanced by Cordell Hull and accepted by Congress—has been virtually ignored . . .

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FOR TOP PRICES ON
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2-3 compartments — 2-2 compartments.

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Monel Pad. Dye Machines, 15—200 lb. capacity

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BEST BUYS

4—Brinton PR 19, 28" & 30", 10 cut, 24 feed, wheels, motors attached

2—Philip, 30", 32 feed, 14, 17½ cut, multi-feed interlock

1—Scott & Williams Interlock, 30", 32 feed, 18 cut

1—Phila. Jacq. TJI, 14¼ cut, 30", 12 feed, 4 col. str.

3—Phila. Jacq. LH 30", 6, 7, 8 cut, 6 feed, 3 col. str.

2—Phila. Jacq. LA 30", 12 feed, 7 & 10 cut, 3 col. str.

1—Phila. Jacq. LA, 15", 7 cut, 4 feed, 2 col. str.

1—Phila. Jacq. TJ, 30", 10 cut, 12 feed

5—Leighton transfers, 14", 16", 24", 26", 28", 6 & 10 cut

2—Leighton transfers, 6½ & 10 cut, 32" & 34", 9 feed, 4 col. str.

2—Phila. Jacq. TJ, 28", 7 & 8 cut, 6 feed, 4 col. str.

3—Phila. Jacq. TAI 30", 13, 13½, 16½ cut, 12 feed, 4 col. str.

2—Phila. Jacq. TA, 30", 24 feed, 12½ & 13 cut, like new

8—Phila. Jacq. TA, 11" to 20", 4 feed, 6 to 12 cut

1—Phila. Jacq. MLW, 28", 11 cut, 24 feed, automats & wheels

6—Wildman PB2, 15", 17", 18", 20", 21", 28", 8 and 10 cut

1—Stafford & Holt, 30", 4 & 7 cut, 8 feed, model PA

1—Dubied, 5 cut, 44", fully automatic, 4 bar

1—Queens model B, 60", 12 Cut, high & low needles & jacks

1—Kastrinsky calendar machine, 66" with trolley, new style

1—Ainslie Brush Mach., 60"

2—Universal 6 spindle backwinders, L drive

1—Servo-stop border mach., 10 cut, 2 color borders

1—Trim-Master trimming machine

4—Union Special cup seamers & tables

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BOX 430L

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2—9 cut, Links and Links Robaczynski flat machines.

96", double jack, selective rack.

May be seen in operation.

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1—Scott & Williams MFRC, 30" interlock machine, 18½ cut, 30 feed, fully equipped

1—Scott & Williams MFRC, 30" interlock machine, 20 cut, 30 feed, fully equipped

May be seen in operation.

Both machines in practically new condition.

BOX 120B

WE BUY—WE SELL EVERYTHING

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Including real estate — relocation surveys — etc.

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(Directions: All subways to Queens Plaza Station)

VALUABLE MODERN BULKY AND FINE GAUGE KNITTING MACHINERY

- (2) JACQUARD, AI INTERLOCKS, 32", 32 FEED, 11 CUT, #5708-5803
- (2) JACQUARD, TA, JOG SYSTEM, 30", 12 FEED, 3 CUT, EACH WITH (1) 4 COLOR STRIPER, #5517, #5521
- (2) JACQUARD, TAI, JOG SYSTEM, 30", 12 FEED, 10 CUT, ONE MACHINE (12) 4 COLOR STRIPERS, ONE MACHINE (1) 4 COLOR STRIPER, #4455, #4456
- (1) SUPREME, 30", 16 FEED, 4 CUT, (9) 4 COLOR STRIPERS, #15294BRW
- (1) TRICOMA (ALEMANIA-SEIFERT & DONNER WEST) MODEL MC1, 62", 8 CUT, V BED, FLAT, #20700
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- (1) UNIVERSAL, MODEL SF, 62", 8 CUT, FLAT, 12 CARRIERS EACH, #19662
- (1) UNIVERSAL, 6 SPINDLE, L DRIVE, MODEL 50 BACK WINDER
- (1) FREESE, 6 SPINDLE RAFFLER

The Latest Type High Speed and Practically New SEWING MACHINES

- (7) SINGER 246-15 HIGH LIFT OVERLOCKS FOR BULKIES
- (13) SINGER 246-13 OVERLOCKS
- (12) SINGER 251-2 LOCKSTITCH
- (3) SINGER 269W9 BARTACKS
- (3) SINGER 175-62 & 175-60 BUTTON SEWERS
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- (2) UNION SPECIAL 11900K DIFFERENTIAL COVERING MACHINES
- (2) REECE S2 BUTTONHOLES, 16000 NUMBERS
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- (2) LEWIS 150-2 AND 150-12 MOCK FASHION

Every Machine With Individual Formica Top Stands
And SINGER 1/2 H. P. Clutch Motors, 53 Series

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12/2 cotton mercerized, U. S. & Fitchberg 14/1, 16/1, 21/1 Orion Acrylic, in heather and solid colors, mostly in original cartons. A small quantity of assorted yarns in wool, Ban-Lon®, Nylon and Acrilan Acrylic. 330 lbs. NYLON (E)

2000 LBS. ASST. KNIT GOODS
COTTON THREAD — BUTTONS — PLASTIC BAGS

APPROX. 3300 DOZ. UP-TO-THE-MINUTE MEN'S & BOYS' SWEATERS

Tweed and solid color bulkies and plain knits in 100% wool, 50/50 and 75/25 wool and orlon in cardigan, crew & boat neck, shawl collar, slipover and sleeveless styles. Complete run of sizes in boy's 4-12, 4-20 and men's small, medium, large & extra large. Boys' polo shirts.

PRESSING — CUTTING — LOOPING and MISCELLANEOUS EQUIPMENT

(5) Eastman Round Knife Cutting Machines Class 355, (1) Eastman Long Knife Self Sharpener, Feed Rail, (2) CRA 24' x 6', (1) 24' x 5', (1) 6' x 16' Metal Cutting Tables, (8) Additional 5' Metal Tables, (4) Sotco Model P 15 point loopers & individual stands & motors, (1) Modern 30" x 60" Pressing Machine, (4) Modern 30" x 60" Steam Tables, two with efficiency devices, (43) Wire Sweater Forms, Soabar Model 10 Ticket Machine, Speedy Bag Packager Model 91R, American, Weiss & Beaver Slitters, (2) Simplex Time-clocks, (24) Canvas Hampers (6 & 12 bushel), Hand, Flat & Box Trucks, Scales, 10 & 7 1/2 H.P. Kane Boilers, (2) Westinghouse 1 1/2 H.P. Compressors, Coke Machine, Fans, Tapeshooters, Steel Shelving and Various Other Related Items of Factory Equipment.

OFFICE FURNITURE

Metal Secretary & Flat Top Desks, Chairs, Friden Calculator, Royal Typewriter, Olivetti Calculator, Victor Adder, Paymaster Checkwriter, Air Conditioner, etc.

WANTED

18", TA machine, any cut. Must have four finger striper.

BERGMAN KNITTING MILLS
22nd & Lehigh Ave., Phila. 32, Pa. **Baldwin 3-1900**

FOR SALE

6 Grosser Links hand machines, 6 cut.
Perfect condition.

BOX 109

FOR SALE

1—20", 20 cut, 50 gauge Brinton Jersey machine, 1248 needles, 48 feed. Little used.

BOX 108

FOR SALE

8 Links and Links, 6 cut, full automatic. Sizes 44-48. In running condition. Sacrifice.

BOX 100A

FOR SALE

2—TJI 30", 14 1/4 cut, 12 feed, 4 color striper. 1st class condition. Practically new. May be seen in operation.

BOX 150B

FOR SALE

3—Model AL New York presses, 24 x 60, with air vacuum, fully automatic.

1—SEC drycleaning unit, model AC.

1—30 HP high pressure Orr-Sembower boiler.

CAMP & McINNES, INC.
512 N. Twelfth St., Reading, Pa.

FOR SALE

4—fully automatic flat Jacquard machines,
12 cut, 47 1/2" and 51" wide.

7—automatic V-bed machines, 12 cut.

3—automatic V-bed machines, 10 cut.

BOX 91

FOR SALE—CASH OR TERMS

1—9 1/4", 1—9 3/4", 1—10 1/2", 2 1/2 gauge Leighton one needle rack, 3 color stripers. Motors attached, 1 year old

1—30", 32 feed, 18 1/2 cut Philip machine

2—30", 14 1/4 cut, 12 feed Jacquard TJI machines

2—30", 10 cut Jacquard TAI machines

1—Stoll border machine, 10 cut with push jacks to make vertical stripes

1—Fastomatic separating machine

BEN WACHSMAN & CO.

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WANTED

2 color stripers for Tompkins
spring needle machines.

BOX 160A

FOR SALE

12 looping machines, 14 gauge, model P, almost new.
9 hand-flat-knitting machines, 7 gauge,
26" Grosser and Diamant.

BOX 160D

CONTRACT KNITTING WANTED

Jacquard Garment and Bathing Suit Fabric
1 x 1 and Jersey body blanks and sleeves on
Phila. Jacq. MLW, 11 cut and TA-30", 12 cut

BOX 160

PLANT FOR SALE

Complete with flat knitting
machines for bulky sweaters.

BOX 160L

YARNS WANTED**WANTED FOR CASH** Worsted · Zephyr · Synthetics · Cotton

We always carry a large stock of yarns, dyed on
cones for immediate use.

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ALL TYPES OF YARNS BOUGHT & SOLD

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YARNS FOR SALE — At Reasonable Prices

1500 lbs.—1 1/4 and 2 1/4 camel, 75% wool, 22% mohair, 3% nylon

1650 lbs.—3200 yds. loop yarn; white, peacock, ginger, black

2800 lbs.—15/1 spun Orlon acrylic

1250 lbs.—9/1, 15/1, 1/32, 50/2, 60/2 black Orlon acrylic

500 lbs.—9/1, 15/1 black Orlon acrylic

900 lbs.—1/20 black, 20% wool, 80% Orlon acrylic

400 lbs.—2/27 baby blue, 100% Darvan nylril

500 lbs.—1/32 lt. oxford heather, 45% Arnel triacetate, 55% Orlon acrylic

300 lbs.—1/26 charcoal grey nub Orlon acrylic

300 lbs.—16/1, 40% hi bulk, 20% natural, 25% natural acetate, 15% black Coloray, Orlon acrylic

350 lbs.—3 run turquoise 75% lamb's wool, 25% Orlon acrylic

300 lbs.—3 run red, black, 50% lamb's wool, 50% Orlon acrylic

300 lbs.—3 run and 3.75 run black, gold, 100% lamb's wool

900 lbs.—3.5 run charcoal grey nub, 64% lamb's wool, 36% Orlon acrylic

350 lbs.—5 run brown heather, 70% lamb's wool, 30% Orlon acrylic

635 lbs.—1.75 run dark oxford, 100% lamb's wool

2400 lbs.—1.75 and 2% run lt. & dk. oxford, camel, red, dk. brown, 100% wool shetland

550 lbs.—3 run white garnetted Orlon Acrylic

370 lbs.—1 1/8 run loden green, 50% wool, 50% nylon

300 lbs.—1 1/8 run gold, 85% wool, 15% nylon

3500 lbs.—1800 yds. chenille natural, 60% linen & 40% cotton

All on Cones

BOX 160K

FOR SALE
ELASTIC YARN FOR KNITTING

• All Sizes and Colors



EDFORD YARN CO.
79 Clifton Place
Brooklyn, N. Y.
MAin 2-1340

WILSON YARN CORP.

141 Wilson Ave., Brooklyn 37, N.Y. GL 6-9686 H. BERMAN
WE PAY TOP PRICES FOR SURPLUS YARN
We Buy & Sell WORSTED & SYNTHETIC YARNS
We carry in stock all colors and all sizes for the knitting trade!

WE BUY AND SELL

Worsted — Synthetics — Blends

AT BEST PRICES!



EDFORD YARN CO.
79 Clifton Place
Brooklyn, N. Y.
MAin 2-1340

YARNS FOR SALE AT ATTRACTIVE PRICES

700 lbs.—2/20, 100% Alpaca, natural & colors, skeins
800 lbs.—2/20, black, worsted, cones
1200 lbs.—2/20, 100% worsted, brown, cones
1000 lbs.—2 run, 100% lamb's wool, gold, cones
850 lbs.—2 1/4 run, 75% lamb's wool, 25% Orlon acrylic, black, cones
2000 lbs.—18/1, natural, Orlon acrylic, cones
750 lbs.—5 run, white, Orlon acrylic, cones
1000 lbs.—3 run, forest green, 100% wool, cones
1000 lbs.—2/30, med. oxford, Orlon acrylic, cones
1900 lbs.—2/12, 50% wool, 50% nylon, natural, cones
500 lbs.—2/27, lt. oxford, Orlon acrylic, cones
1000 lbs.—2/26, 6 denier, tan, Turbo Orlon acrylic, cones
1200 lbs.—2/30, cocoa brown, Turbo Orlon acrylic, cones
800 lbs.—2/26, dark brown, Turbo Orlon acrylic, cones
4000 lbs.—2 ply Orlon acrylic, small lots, asst. colors, cones

SAM SASKEN

1441 Broadway, New York 18, N. Y.

CH 4-8733

CONTRACTORS WANTED, CONTRACT WORK WANTED

WANTED—CONTRACT KNITTING

Contractor has opening for additional quantity work, including distinctive knitted jacquard trimmings on latest fine gauge Dubied and Universal flat machines. Good quality. Prompt delivery.

CYpress 2-9121 or BOX 50BB

CONTRACT KNITTING ONLY WANTED

Contractor available for additional work on ladies', men's bulkies. Different knitting designs.

BOX 169

**WELL EQUIPPED
WOOLEN COMMISSION SPINNING MILL
Will Accept Additional Commission Spinning**

We have up-to-date equipment, mostly new. We can take an additional 15,000-20,000 lbs. per week of good stock either Orlon, lamb's wool and Orlon or virgin wool, colors or white. We are located approximately 200 miles from New York.

BOX 149

CONTRACTOR SEEKS WORK

on fine gauge and bulkies. Excellent workmanship.

BOX 150R

CONTRACT WORK WANTED

on 4 and 5 gauge flat machines. Ladies' and men's sweaters. Excellent workmanship.

BOX 150C

**CONTRACTOR SEEKS ADDITIONAL
WORK**

on ribbon sewing, buttons and buttonholes on cardigans.

BOX 150A

CONTRACT WORK WANTED

on 14 and 18 cut interlock and 6 cut bulky.

BOX 166

CONTRACT WORK

on new 4 cut Universals. Will also consider knitting only if so desired.

BOX 163

CONTRACTOR

open to knit on Jacquard pattern wheel cloth for swimwear. Your patterns. Immediate delivery.

BOX 162

COMMISSION KNITTER WANTED

Circular Links and Links—10, 11, or 12 cut. Jacquard work for infants' wear.

BOX 160J

WANTED BY EXPERIENCED CONTRACTOR

Additional work on 21 gauge full fashioned machines. Fur blends, classics and novelties.

BOX 160C

STEADY PRODUCTION

For Full Fashioned Mill

We are looking for a top notch Full Fashioned Mill to make about 150 dozen fur blend novelties weekly on steady basis.

BOX 167

CONTRACT WORK WANTED

on fine gauge interlock Ban-Lon.

BOX 165

HELP WANTED**LINKS & LINKS MECHANIC WANTED**

for old established concern in Philadelphia area. Must have excellent references. This is an unusual opportunity. Write giving complete background.

BOX 150N

FOREMAN WANTED

Must be a thoroughly experienced mechanic on circulars and flats to take complete charge of knitting department of established Philadelphia mill making men's sweaters. Wonderful opportunity for a top quality minded man. Many benefits include insurance and profit sharing plans.

BOX 130H

MECHANIC WANTED

Experienced on circular Jacquard and flat knitting machines for night shift. Excellent opportunity. Insurance and profit sharing plans available. Steady. Reputable Philadelphia firm.

BOX 130G

WANTED-KNITTER MECHANIC

Must be experienced on circular Jacquard TAs and flat knitting machines. Excellent opportunity for the right man.

LUdlow 3-1110

WANTED DYE HOUSE MANAGER

EXPERIENCED ADMINISTRATOR

Handling wool, synthetics, cotton.

While we produce knitted materials,
this experience not necessarily required.

**WANT TO PAY TOP SALARY
FOR GROWTH POSITION**

BOX 140K

KNITTER MECHANIC WANTED

Fully experienced on circular Links and Links machines. Metropolitan vicinity.

BOX 157

POSITIONS AVAILABLE

Jersey Designer
new department

Production Manager
men's quality shirts

Salaries High

LILLIAN-K-SERVICE (Agency)

1475 Broadway (Times Bldg.) New York 36, N.Y.

KNITTER-MECHANIC WANTED

Experienced on interlock, Philip, Scott and Williams, Links and Links, TJI machines. Top salary.

KNIT FASHIONS, INC.

1114 Willow Ave., Hoboken, N.J.

New York—WOrth 2-0180

New Jersey—OLdfield 9-7344

SAMPLE MAKER—FORELADY WANTED

Well regarded mill looking for experienced sample-maker—forelady. Must have thorough and complete knowledge of all sewing machines. Must be able to instruct and organize. Making top grade knitted sportswear, dresses and suits. All replies strictly confidential.

BOX 150M

OPPORTUNITY**Wanted**

Young man, experienced for production and styling of men's popular priced sweaters. To supervise contractors.

MAPLE SPORTSWEAR, INC.

10 West 33rd St., New York 1, N.Y. PE 6-1668

PRODUCTION MAN WANTED**Stylist and Quality Control**

Manufacturing knowledge of sweaters from yarn to finished product essential. Must be able to build a complete line. Interesting position for right man. Salary commensurate with ability.

BOX 164

CUTTING ROOM FOREMAN WANTED

Knitting mill in N.E. requires man with knowledge of handcutting to take over cutting department. Top salary for right man.

BOX 160E

RASCHEL SUPERINTENDENT

Will be available. Fully experienced mechanic, specialized on multi bar lace, analysis, layout, drafting.

BOX 160B

PRODUCTION EXECUTIVE AVAILABLE

Top executive with thorough technical knowledge and business experience all phases of ladies' and children's knitwear.

Well rounded background in sales, production, merchandising and styling of all types at both manufacturer and mill level.

Willing to travel. Will relocate if necessary.

BOX 168

PRODUCTION MAN — PLANT MANAGER**Seeking Change**

Thoroughly experienced in all phases of production of better knitwear (ladies', men's and boys'). Can take complete charge from yarn and samples to finished product. Excellent references.

BOX 160H

SERVICES, SUPPLIES FOR SALE**SAVE MONEY ON POLYETHYLENE BAGS**

9½ x 13—G. 001 @ \$5.15 per M—G. 00075 @ \$4.50 per M

11 x 14—G. 001 @ \$6.35 per M—G. 00075 @ \$5.25 per M

LUCKY POLYETHYLENE MFG. CO

454 Berry St., Brooklyn 11, N. Y. EVergreen 8-5403

BLUESTONE YARN WINDING

Coners of Orlon, Worsted, Nylon, Cotton, Synthetics, Etc.

Universal Roto-coning.

Large Capacity.

For immediate service, call—

EV. 7-1822

226 Grand St., Brooklyn 11, N. Y.

HAVING PROBLEMS WITH LABELING LAW?

a PIN TICKET with your WPL number and fiber content will do the job!
IMMEDIATE DELIVERY

BROADWAY THREAD CO.

658 Woodward Ave., Brooklyn, N. Y. EVergreen 2-8002

SAMANUS WINDING

Winders of Orlon and Worsted. Rotoconing. Large capacity. Immediate Service. For quick delivery and storage space, call:

STAGG 2-4043

107 North 1st St., Brooklyn 11, N.Y.

CLOSEOUTS**CLOSE-OUTS WANTED**

CASH PAID for surplus stocks of Sweaters and Bathing Suits.

BERNETTE TEXTILE COMPANY

101 W. 31 St., New York City

BRyant 9-5526-7

KNIT CLOSE-OUTS WANTED

Top prices for solids, stripes and fancies.

S. LEVINE AND SONS

639 N. 2nd St., Allentown, Pa., HEMlock 5-3578

KNIT FABRICS, CLOSEOUTS WANTED

Cottons, Jerseys, Nylon Fleece, Lastex, Novelties, Metallics.

Woven Piece Goods and Remnants. We pay cash.

CHARMKNIT CORP., 82 Franklin St., N.Y.C. WA 5-6828

CLOSEOUTS WANTED

For Export to South America
ALL KINDS OF KNITWEAR — CASH PAID

NU-STYLE KNITWEAR CO.

264 Canal St., New York 13, N. Y.

WA. 5-4268

CLOSE-OUTS WANTED

ANY QUANTITY—REGULARS & IRREGULARS

Ladies'—Men's—Children's

SWEATERS
KNITTED SUITS

SWIMWEAR
SPORTSWEAR

KINDRED LINES
POLO SHIRTS

FOR TOP PRICES—IMMEDIATE CASH

WRITE TODAY BOX 390G

BUSINESS OPPORTUNITIES**NEW YORK SALES REPRESENTATIVE WITH SHOWROOM AT**

112 West 34 STREET, NEW YORK CITY
is interested in popular priced line of sweaters. Important contacts with chains, buying offices and department stores.

WILLIAM BELSON ASSOCIATES

112 West 34th St. (Suite 402) New York, N. Y.

WASTE

G&N

PAYS HIGHEST PRICES
FOR KNITTED WASTE

Any time — Anywhere.

Call
EVergreen
6-0022

Out of Town — Call Collect

G & N WOOL CLIPS
55-17 Flushing Avenue
Maspeth 78, New York

**YOU'LL GET
BEST RESULTS
AND FAST ACTION**

**WHEN YOU
—WANT TO BUY,
SELL OR
EXCHANGE**

*Yarns, Knitting Machinery
Mill Equipment, Supplies*

**—NEED
CONTRACTORS
—WANT A JOB
OR NEED
ADDITIONAL HELP
—SEEK A NEW
BUSINESS
OPPORTUNITY**

TRADE WANTS

RATES: one insertion—35 cents per word. Words set completely in capitals—40 cents per word. Box numbers count as two words. Minimum cost of advertisement—\$5.00. Minimum cost of Positions Wanted advertisements—\$5.00. Trade Wants for Monday's paper must be in by preceding Wednesday, 2 P.M. Please enclose payment with your order.

LEASE—SALE. LOFTS—BUILDINGS. ALL SIZES—ALL LOCATIONS. MILTON WOLF & CO., 744 BROAD STREET, NEWARK, NEW JERSEY, NJ 3-8844.

WANTED: Dubied - V. D. Type full automatic, 4 carrier, 7 cut either 31½" or 52". State type of drive, state best price crated F.O.B. shipping point. Box 160G

Complete modern winding, rotoconer plant for sale. Ready to operate. Call evenings — Ulster 3-1958

Contract work wanted by newly established bulky firm with Universal machines. Hickory 3-5794

Knitter-Mechanic. Experienced on Universal, Dubied, and Alemania flat machines, seeks part time work servicing machines. Northern New Jersey area. UNION 3-1027

Wanted: Thoroughly experienced knitting room foreman for established South American mill. Must be willing to permanently relocate. Good salary. Box 160M

SALES REPRESENTATIVES, LINES WANTED

REPRESENTATIVE WANTED

to jobbing trade by sweater mill manufacturing men's bulky and fancy sweaters.
BOX 160F

**To Place Your Ad:
Call Murray Hill 3-7520 or
Use This Handy Order Blank**

KNITTED OUTERWEAR TIMES

386 Park Avenue South, New York 16, N. Y.

Gentlemen:

Insert the ad written below in.....issues.

(Check one)

☐ TRADE WANTS

Rates per insertion: 35c per word; 35c if set in capitals. Box number counts as 2 words. Minimum cost per adv. — \$5.50. Positions wanted — \$5.00.

DISPLAY AD

☐ 2" — \$11.00
☐ 4" — \$22.00
☐ 10" — \$55.00

**Please Enclose Payment With Order.
ADVERTISEMENT**

☐ Check here if you want a confidential box number (replies sent to you as we receive them).

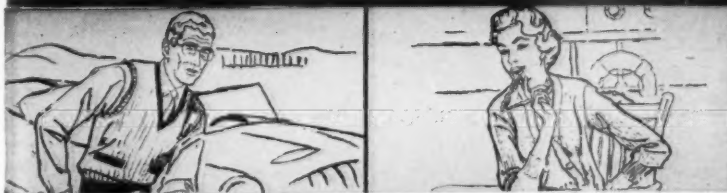
Name.....

Address.....

(Use separate sheet if necessary. Attach this order blank.)



**FROM
RAW
FIBER
TO
FINISHED
YARN**



**WOONSOCKET
SPINNING CO.**

When you buy from Woonsocket you are buying the best! Whether it be cashmere, camels hair, angora, fur blends, mohair, lambs wool or other specialty yarn, Woonsocket begins with the world's finest fibers. Woonsocket processes them in its own mills, under highly scientific control until the yarn is delivered promptly to your factory. Thus you are assured of an adaptable resource, able to meet the constantly changing demands of men's and women's fashions.

Distributed by **AMICALE YARNS, INC.**, 511 Fifth Ave., New York 17, N. Y., MUrray Hill 2-1655
A. M. Krasnoff, 1 Belmont Ave., Bala Cynwyd, Pa., MOhawk 4-6345 • Sam M. Butler, Inc., 1810 East 7th St., Charlotte, N. C., EDison 4-7280
Edgar Worth, 1511 W. Florence Ave., Inglewood, Calif., ORegon 8-4298 • Textile Yarn Co., 222 W. Adams St., Chicago 6, Ill., DEarborn 2-5280
Spun by **WOONSOCKET SPINNING CO.**, 115 Ricard St., Woonsocket, Rhode Island, POplar 9-3100

Repeat Announcement!

WE HAVE INSTALLED

*a battery of brand-new,
specially-designed knit goods*

NAPPING & SHEARING EQUIPMENT —in addition to which we

*have added our own improvements which will
result in a product that is superior to anything
on the market today.*

*Please remember . . . we do not have any old
or outmoded equipment which does a 50% job.*

*In order to meet the demands of the industry—
our capacity will be extremely large—but we
urge you to get in on the ground floor—now!*

progress is our greatest asset!

GREAT NAMES IN KNITTED OUTERWEAR PROCESSING

**BANNER YARN DYEING CORPORATION
BANNERIZED CORP. OF AMERICA
BANNERLON PROCESSING CORPORATION
BANNER PIECE DYEING CO. INC.**

488 Morgan Ave., Brooklyn 22, N. Y. • EVergreen 8-0100

